

CERCLA SECTION 103 and EPCRA SECTIONS 302 - 312 INSPECTION REPORT

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|-------------------------------------|---|
| I. FACILITY | Dominion Cove Point LNG, LP
2100 Cove Point Road
Lusby, Maryland 20657 |
| CONTACT | Mr. Paul Dickson |
| TELEPHONE NO. | (410) 286-5136 |
| EMAIL ADDRESS | paul.e.dickson@dom.com |
| | SIC Code: <u>4922</u>
NAICS Code: <u>486210</u> |
| II. DATE OF INSPECTION | June 3, 2013 |
| III. INSPECTORS | Mr. Jeffrey Thomas, Chenega Global Services, LLC
Ms. Kristie DePiero, Chenega Global Services, LLC |
| SERC REPRESENTATIVE | Ms. Tammy Roberson, Environmental Compliance
Specialist, Maryland Department of the
Environment |
| LEPC REPRESENTATIVE | Mr. Robert Fenwick, Division Chief of Emergency
Management, Calvert County LEPC |
| IV. FACILITY REPRESENTATIVES | Mr. Paul Dickson, Environmental Consultant
Mr. Michael Gardner, Manager LNG Operations |
| V. PURPOSE OF INSPECTION | CERCLA Section 103 and EPCRA Sections 302-312
Inspection |
| VI. OPENING CONFERENCE | |

I. OPENING CONFERENCE AND GENERAL INSPECTION PROCEDURES

The U.S. Environmental Protection Agency (EPA) selected the Dominion Cove Point LNG, LP (Dominion) facility for an inspection based on information received by the Region 3 Emergency Planning and Community Right-to-Know Act (EPCRA) Coordinators, Mr. Perry Pandya and Ms. Anne Gilley, regarding a continuous release that occurred at the Dominion facility located at 2100 Cove Point Road in Lusby, Maryland. According to National Response Center (NRC) Incident Report No. 1038884 (Attachment 7), the Dominion facility in Lusby, Maryland reported an initial notification of a continuous release of ammonium hydroxide that was discovered at 3:34 p.m. (1534 hours) on February 19, 2013 and was reported to the NRC at 3:37 p.m. (1537 hours) on February 19, 2013, a delay of approximately three (3) minutes. However, the facility indicated that the continuous release was actually anhydrous ammonia. Additionally, the NRC Report indicated that one hundred sixty-one and eight tenths (161.8) pounds, two hundred eighty-five and one tenths (285.1) pounds, and one hundred thirty-five (135) pounds of ammonia was released from three (3) Selective Catalytic Reduction (SCR) systems. An update notification was initiated by the NRC on March 4, 2013. The March 4, 2013 NRC Report Number 1040001 contained the same information as the initial NRC Report.

Anhydrous ammonia [Chemical Abstracts Service (CAS) Number 7664-41-7] is an EPCRA Extremely Hazardous Substance (EHS) and a Comprehensive Environmental Response,

Compensation, and Liability Act (CERCLA) hazardous substance with a Reportable Quantity (RQ) of one hundred (100) pounds. Consequently, the Dominion facility was selected for an EPCRA Sections 302 through 312 and CERCLA Section 103 inspection.

On May 16, 2013, Mr. Jeffrey Thomas of Chenega Global Services, LLC (CGS) contacted the listed telephone number of the Dominion facility and was directed to Mr. Paul Dickson, Dominion Environmental Consultant (Attachment 9). Mr. Thomas (CGS) stated that he was attempting to schedule a CERCLA Section 103 and EPCRA Sections 302, 303, 304, 311, and 312 inspection at the Dominion facility located in Lusby, Maryland regarding a reported continuous release of ammonia that was discovered on February 19, 2013. Mr. Dickson (Dominion) and Mr. Thomas (CGS) agreed that the inspection would be conducted on June 3, 2013 at 9:30 a.m. (0930 hours). On May 22, 2013, Mr. Kevin Daniel, Acting Oil and Prevention Branch Chief, EPA Region 3, sent a letter to Mr. Dickson (Dominion) confirming the date and time of this inspection (Attachment 10).

The following table summarizes the date and contact information pertaining to the Certified Statements sent by Mr. Thomas (CGS) requesting the EPCRA reporting status of the Dominion facility for reporting years 2010, 2011, and 2012:

Date	Contact Name	Agency	
5/17/13	Ms. Patricia Williams	Maryland Department of the Environment	SERC
5/17/13	Mr. Robert Fenwick	Calvert County LEPC	LEPC
5/17/13	Mr. James Richardson	Calvert County Fire Department	Local Fire Department

On June 3, 2013, the inspectors, Mr. Thomas (CGS) and Ms. Kristie DePiero (CGS), met with Mr. Dickson (Dominion) and Mr. Michael Gardner, Dominion Manager of LNG Operations, at the Dominion facility located at 2100 Cove Point Road in Lusby, Maryland to conduct the CERCLA Section 103 and EPCRA Sections 302 through 312 inspection. Also in attendance at the inspection was a representative for the Maryland Department of the Environment (MDE), Ms. Tammy Roberson, Environmental Compliance Specialist, and Mr. Robert Fenwick, Division Chief of Emergency Management with the Calvert County Local Emergency Planning Committee (LEPC).

Mr. Thomas (CGS) read a statement explaining the purpose and potential activities of the CERCLA and EPCRA inspection of the facility. The statement read is provided below:

The United States Environmental Protection Agency, its employees, agents, contractors and authorized representatives, are present for the purpose of conducting an inspection at the Dominion Cove Point LNG, LP facility to evaluate the Facility's compliance with Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9603, and Sections 302, 303, 304, 311, and 312 of the Emergency Planning and Community Right-to-Know Act, 42 U.S.C. Sections 11002, 11003, 11004, 11021, and 11022. Your consent is requested for entry to the Facility property, including any and all buildings and structures located on the property where entry is needed to complete the inspection, to make visual observations, examine equipment, take still photographs; take video (including sound); inspection and copy documents and conduct other activities necessary to complete the inspection.

Mr. Dickson (Dominion) stated that he was authorized on behalf of the Dominion facility to approve facility access to the inspectors to perform the described inspection, and also stated that he consented to the inspectors' entry to the facility to perform the inspection as described by Mr. Thomas (CGS).

The inspectors' credentials were presented and a Notice of Inspection was presented and explained (Attachment 1). Mr. Dickson (Dominion) signed the notice, and an outline of the areas to be investigated was discussed. Mr. Thomas (CGS) informed the facility representatives that the inspectors would be recording all documents provided to the inspectors by Dominion representatives on the Receipt for Samples and Documents (Attachment 2). A Meeting Sign-In Sheet was also completed by the meeting attendees and is included as Attachment 3.

During the opening conference, the inspectors advised the company representatives of the procedures necessary for asserting a confidentiality claim in accordance with Title 40 of the Code of Federal Regulations (40 CFR) Part 2, Subpart B. The inspectors advised the company representatives that a written request in accordance with 40 CFR Part 2, Subpart B, must be sent to the EPA Region 3 EPCRA Work Coordinator, Mr. Perry Pandya, to assert a formal confidentiality claim. At the time of the inspection, the Dominion representatives stated that they would not be asserting a confidentiality claim.

Location and topographic maps of the facility were prepared by the inspectors and are included as Attachment 4. Mr. Thomas (CGS) informed the facility representatives that the inspectors would be photo-documenting the tour of the facility. Refer to Attachment 5 for the Photograph Log. Mr. Thomas (CGS) reviewed with facility representatives the regulatory guidance pertaining to Section 103 of CERCLA and Sections 302, 303, 304, 311, and 312 of EPCRA (Attachment 6).

SERC: Maryland Department of the Environment (MDE)
1800 Washington Boulevard, Suite 540
Baltimore, Maryland 21230
Telephone: (410) 537-3800
Facsimile: (410) 537-3873

LEPC: Calvert County LEPC
c/o Calvert County Emergency Management Division
175 Main Street, Courthouse
Prince Frederick, MD 20678
Telephone: (410) 535-1600
Facsimile: (410) 535-3997

Local Fire Department: Calvert County Fire Departments
175 Main Street, Courthouse
Prince Frederick, MD 20678
Telephone: (410) 535-1600
Facsimile: (443) 486-4074

2. FACILITY DESCRIPTION, OPERATIONS, AND CORPORATE INFORMATION

The facility description, operations, and corporate information provided below are based on information gathered during and after the inspection and include the following:

- Dominion Cove Point LNG, LP Company Information (Attachment 11),

- Dominion Cove Point LNG, LP Corporate Hierarchy (Attachment 12),
- Facility Acreage Summary (Attachment 13), and
- Facility Map (Attachment 14).

The Dominion facility in Lusby, Maryland is a storage and transportation terminal for Liquefied Natural Gas (LNG). The facility receives LNG from tanker ships at a pier located one (1) mile offshore in the Chesapeake Bay. The facility transfers the LNG to onsite aboveground storage tanks. The facility then converts the LNG to its gaseous form and transfers the product into a natural gas pipeline for distribution offsite. During the inspection the facility was only able to import and distribute LNG from tanker ships. However, Dominion is planning to modify the current facility to receive natural gas and liquefy it for export. The Dominion facility is manned twenty-four (24) hours a day and seven (7) days a week and employs ninety-eight (98) persons. The Dominion facility does not have any tenants.

Dominion Cove Point LNG, LP is operated by a general partner Dominion LNG Company, LLC. Dominion LNG Company, LLC is a subsidiary of Dominion Cove Point, Inc., which in turn is a subsidiary of Dominion Resources, Inc. (Attachment 12). Dominion Cove Point LNG, LP is headquartered at the Lusby, Maryland facility location and the ultimate global parent Dominion Resources, Inc. is headquartered at 120 Tredegar Street in Richmond, Virginia. Dominion Cove Point LNG, LP was organized as a Delaware limited partnership entity in 1993. Dominion Resources, Inc. began operation in 1978 and was incorporated in the Commonwealth of Virginia in 1983. The Dominion facility in Lusby, Maryland had 2012 revenues of approximately two hundred eighty-one million five hundred thousand (281,500,000) dollars.

The Dominion facility is located on one thousand seventeen and ninety-one hundredths (1,017.91) acres of land owned by Dominion. The industrial facility acreage within the fence line is one hundred thirty and thirteen hundredths (130.13) acres (Attachment 13). Dominion representatives provided the inspectors with a property map (Attachment 14). The facility is mainly surrounded on all sides by undeveloped land with the town of Lusby, Maryland to the south and the Chesapeake Bay to the east. The facility does not have any rail lines entering the property.

The Dominion facility operates under an air permit. Since the continuous release of ammonia was not regulated under the permit, the inspectors did not request a copy of the air permit. The facility also operates under a National Pollution Discharge Elimination System (NPDES) permit; the inspectors did not request a copy of the NPDES permit.

President of Dominion Cove Point LNG

Company LLC:

Mr. Gary Sypolt

Senior Vice President of Dominion Cove Point LNG

Company LLC:

Ms. Diane Leopold

During the inspection, Mr. Dickson (Dominion) stated that the Dominion facility's primary Standard Industrial Classification (SIC) Code is 4922, Natural Gas Transmission. Mr. Dickson (Dominion) also stated that the Dominion facility's primary North American Industrial Classification Standard (NAICS) Code was 486210, Pipeline Transportation of Natural Gas.

The remainder of the inspection focused on collecting specific information regarding the February 19, 2013 ammonia continuous release and determining if the facility had present any Extremely Hazardous Substances (EHSs) or hazardous chemicals above the Threshold Planning Quantities (TPQs) or threshold levels for the applicable calendar years, 2010, 2011, and 2012.

VII. INSPECTION CONFERENCE

1. SECTIONS 302 AND 303 OF EPCRA

Mr. Dickson (Dominion) indicated to the inspectors that the Dominion facility stored one (1) EHS onsite in a quantity greater than its TPQ during calendar years 2010, 2011, and 2012. Mr. Dickson (Dominion) identified the EHS stored onsite as sulfuric acid contained in lead acid batteries. Mr. Dickson (Dominion) provided the inspectors with a letter dated July 10, 2008 submitted to the State Emergency Response Commission (SERC) and LEPC indicating that the facility stored sulfuric acid (Attachment 15). The July 10, 2008 letter also identified the Facility Emergency Coordinator (FEC).

2. SECTION 304 OF EPCRA AND SECTION 103 OF CERCLA

February 19, 2013 Continuous Release of Anhydrous Ammonia

The release information is based on the list of documents provided below and information provided to the inspectors during the inspection:

- December 15, 2012 through February 17, 2013 Ammonia Slip Data Report Summary (Attachment 16),
- Ammonia Slip Calculations (Attachment 17),
- July 15, 2013 Response to an Additional Information Request (Attachment 18),
- February 19, 2013 Initial Continuous Release Notification Report (Attachment 19),
- Continuous Release Initial Notification Notes (Attachment 20),
- Average Stack Flow and Temperatures (Attachment 21),
- Upper Bound Limit Calculation Results Summary (Attachment 22), and
- March 18, 2013 Thirty (30) Day Initial Written Continuous Release Notification Report (Attachment 23).

The Dominion facility utilizes six (6) simple-cycle natural gas turbines for the generation of electricity used at the site. The turbines are not connected to the electrical grid and do not transmit electricity offsite. Each of the six (6) turbines is equipped with a SCR system, which requires an injection of nineteen (19) percent ammonium hydroxide to reduce nitrogen oxide (NOx) emissions. Un-reacted ammonium hydroxide is converted to ammonia within the SCR and is released from the turbine stacks.

The original three (3) turbines were installed in 2002 with the SCR system utilizing urea to reduce NOx emissions. In 2004 the facility transitioned to ammonium hydroxide to reduce NOx emissions. In 2009 the facility instated three (3) more turbines, each with an ammonium hydroxide SCR system. The facility operated the turbines under a Title V Air Permit; however ammonia emissions are not covered under the air permit. According to Mr. Dickson (Dominion), prior to October of 2012 the facility had not conducted calculations to determine if unreacted ammonia was being released through the turbine stacks.

In October of 2012 Mr. Dickson (Dominion) began a self assessment of the facility. Mr. Dickson (Dominion) began overseeing environmental operations at the facility shortly before the self assessment began. As part of the self assessment the facility staff recognized that installed emission control monitors could provide data for the calculation of unreacted ammonia from the

SCRs. The unreacted ammonia emissions were also referred to as ammonia slip. In October of 2012 the facility initiated requests for assistance from the Continuous Emissions Monitoring System (CEMS) vendor to tie in the CEMS monitors to the Data Acquisition and Handling System (DAHS).

On December 2, 2012 the CEMS vendor discovered an ammonia reagent flow rate problem. The signal range of the ammonia reagent flow meter did not match the signal range of the CEMS DAHS logic controller. Because the signal range mismatch causes the DAHS to assign a different ammonia reagent flow value into the ammonia slip equation other than what the flow meter is actually measuring, this resulted in the calculation of an incorrect ammonia slip value.

Between December 9, 2012 and December 13, 2012 the facility's DAHS program vendor verified the ammonia reagent flow signal values and matched the DAHS input signal to the ammonia reagent flow meter output signal and then verified the ammonia slip calculations.

On December 15, 2012 the flow monitor inputs were tied back into the DAHS. The Cove Point staff then began evaluating the precision and accuracy of ammonia slip calculations. Without any physical evidence of an ammonia release by either visual or odor observations, questions remained throughout the ensuing weeks regarding the presence or magnitude of ammonia slip releases and the meaning of the data.

During the period from December 15, 2012 to February 19, 2013, data from the CEMS was available electronically on a daily basis and reviewed at least weekly if not more often. After CEMS data showed numbers above the one hundred (100) pound per day threshold, the facility staff immediately began evaluating the accuracy of the input data for the ammonia slip calculations. As there was no physical evidence that tended to support this initial ammonia slip data, the facility focused on validating the input data.

The first indication that a potential RQ release of ammonia from a SCR was on December 18, 2012 when turbine 111JA reported an ammonia slip of one hundred seven and eight tenths (107.8) pounds per day. Mr. Dickson (Dominion) explained that while an indication of a potential RQ release of ammonia was evident on December 18, 2012, the facility determined that full evaluation of the monitoring system should be conducted to accurately portray the ammonia slip from the SCRs.

On December 30, 2012 a flow span upper range limit in the DAHS ammonia slip calculation was discovered to be limiting the ammonia slip values. The limit in the calculation was removed and the slip numbers were recalculated.

Between January 3, 2013 and February 19, 2013 the Cove Point staff worked with Dominion Virginia Power's Fossil and Hydro Emission Monitoring Support Group (EMSG) to evaluate input data for potential errors. This included review of aqueous ammonia flow, verification of the inlet NOx certification, review of Frame 3 turbines SCR install records, and review of the ammonia calculations.

Mr. Dickson (Dominion) provided the inspectors with the ammonia release data summary report from December 15, 2012 through February 17, 2013 that was used to establish the initial ammonia release rates from the SCRs (Attachment 16).

The formulas used to calculate the ammonia slip were provided during the inspection (Attachment 17) and were expounded upon in the July 15, 2013 response to an additional information request

(Attachment 18). The inputs to the ammonia slip formulas were automatic from the CEMS monitors and the plant distributed control system (DCS). The formula inputs included the following constants; nineteen (19) percent aqueous ammonia, and the standard constants for natural gas combustion. The formula inputs included the following variables; fuel British Thermal Unit (BTU) content, fuel flow rate, catalyst inlet NOx concentration, catalyst outlet NOx concentration, outlet oxygen concentration, and the aqueous ammonia flow rate. Mr. Dickson (Dominion) stated in the July 15, 2013 response to an additional information request, that the facility initially had concerns about the accuracy of some of the variable inputs (Attachment 18).

On the afternoon of February 19, 2013 Mr. Dickson (Dominion) made the decision that a proper evaluation of the ammonia slip calculations were complete and that the facility was periodically releasing ammonia from the SCR's in an amount greater than the RQ of ammonia during a twenty-four (24) hour period. Since the release of ammonia was continuous Mr. Dickson (Dominion) began the process of notification for a continuous release of ammonia.

At 3:34 p.m. (1534 hours) Mr. Dickson (Dominion) contacted the NRC to report the continuous release of ammonia from the turbine SCR's (Attachment 19). Mr. Dickson (Dominion) indicated that three (3) of the six (6) SCR's had ammonia releases greater than one hundred (100) pounds during a twenty-four (24) hours period. The NRC Report number 1038884 was established for the release, which became the Continuous Release – Emergency Response Notification System (CERNS) number for the subject emission facilities.

Mr. Dickson (Dominion) then called the SERC and LEPC immediately after his call to NRC. The times of these calls were not recorded in the notification notes provided to the inspectors (Attachment 20). Mr. Dickson (Dominion) notified the SERC and the LEPC that the facility was continuously releasing ammonia from the SCR's.

At 4:00 p.m. (1600 hours) Mr. Dickson (Dominion) contacted the Maryland Emergency Management Agency (MEMA) and indicated that the facility was continuously releasing ammonia from the SCR's (Attachment 20).

At 4:40 p.m. (1640 hours) a representative from the United States Coast Guard contacted Mr. Dickson (Dominion) to gather additional information about the reported release (Attachment 20).

After the initial continuous release notification the facility used the data gathered in addition to electrical generation data for the calendar year 2012 to develop the upper and lower bounds limit of the release. Ammonia slip formulas were established for the three (3) GE Frame 3 turbines, the two (2) GE Frame 5 turbines, and the Solar Turbine (Attachments 17 and 18). Additionally the average stack flow and temperature was established for each turbine (Attachment 21). The results of the calculations provided the facility with the maximum, median, mode, and average ammonia slip release rates in pounds per day (Attachment 22).

The lower limit bound was determined to be zero (0) if no turbines were active. The upper limit boundary for each turbine was calculated using the 2012 calendar year hourly average data from the facility's software data historian. Daily and maximum ammonia slip values were then calculated in Excel using the established DAHS ammonia slip formulas. The upper bound limit was determined to be the total ammonia slip rate from the four (4) highest turbine maximum upper bound limits. The upper bound limit and Statistical Significant Increase (SSI) was established as one thousand ninety-nine (1,099) pounds. Mr. Dickson (Dominion) indicated that only four (4) turbine emissions were used in the upper bound limit due to the maximum energy needs for the facility which would not need to activate more than four (4) turbines.

On March 18, 2013, Mr. Dickson (Dominion) submitted the thirty (30) day Initial Written Continuous Release Notification Report to EPA Region 3, the SERC, and the LEPC (Attachment 23). The Initial Written Continuous Release Notification Report provided the information required pursuant to continuous release reporting requirements.

Plant representatives stated that since the calendar year 2009 there have been no equipment upgrades or additions to the facility plant power generation processes.

Mr. Dickson (Dominion) stated that since recognizing that the facility was continuously releasing ammonia, he has been working with facility operational staff to better regulate the amount of ammonium hydroxide used for NOx reduction. Mr. Dickson (Dominion) believed that the regulation of the ammonium hydroxide would show lower ammonia release emissions and change the upper bound limit on the One (1) Year Anniversary Written Continuous Release Notification Report.

The inspectors requested information regarding whether Dominion Resources, Inc. (or a subsidiary) operated facilities in EPA Region 3 that reported a continuous release of ammonia from a NOx reduction source. According to Mr. Dickson's (Dominion) July 15, 2013 response to an additional information request, Dominion Virginia Power had four (4) facilities that provided initial notifications for continuous releases of ammonia from NOx control SCRs in 2004. The facility, release facility, CR-ERNS Numbers, and date of the initial continuous release notification are provided below (Attachment 18):

- Mt. Storm Power Station (WV), Units 1, 2, 3; CR-ERNS No. 625548, June 17, 2004
- Chesapeake Energy Center (VA), Units 1, 2, 3, 4; CR-ERNS No. 625614, June 17, 2004
- Clover Power Station (VA), Units 1, 2; CR-ERNS No. 725418, June 18, 2004
- Possum Point Power Station (VA), Units 6A, 6B, CR-ERNS No. 625594, July 15, 2004

Additionally, Mr. Dickson (Dominion) indicated that in 2005, annual follow up reports were submitted for the Chesapeake Energy Center and the Possum Point Power Station. Dominion Virginia Power withdrew its continuous release reports for Mt. Storm Power Station and Clover Power Station because it was later determined that wet scrubbers used for sulfur dioxide control at these facilities absorbed ammonia such that slip emissions were deemed well below the one hundred (100) pound reporting threshold. Ammonia captured by the scrubbers is eventually discharged pursuant to Mt. Storm Power Station's and Clover Power Station's NPDES permits (Attachment 18).

3. SECTIONS 311 AND 312 OF EPCRA

The Dominion facility representatives stated that before new chemicals are stored at the facility an evaluation process is conducted. As part of the evaluation process, a letter along with a Material Safety Data Sheet is submitted to the SERC, LEPC, and Local Fire Department if the chemical is anticipated to exceed the storage threshold. Mr. Dickson (Dominion) provided the inspectors with letters pursuant to Section 311 of EPCRA spanning the calendar years 2005 through 2012 (Attachments 24 and 28, respectively).

Mr. Dickson (Dominion) provided the inspectors with Tier II Report submissions for the calendar years 2010, 2011, and 2012 (Attachments 29, 30, and 31). Mr. Dickson (Dominion) also provided the inspectors with a revised Tier II Report submission for the calendar year 2010 submitted on September 1, 2011 (Attachment 32). Mr. Dickson (Dominion) indicated that the

revised Tier II Report was submitted to better reflect the facility's use of sulfuric acid in lead acid batteries. Prior to the revision, the calendar year 2010 Tier II Report listed the only the sulfuric acid portion of the batteries and not a lead acid mixture.

During the inspection Mr. Dickson (Dominion) was unable to provide the inspectors with a maximum storage quantity list for the calendar years 2010, 2011, and 2012. Mr. Dickson (Dominion) stated that the Tier II Reports contained maximum storage information in pounds. The inspectors requested the storage capacities of the tanks onsite and any other information used to determine the storage quantities of chemicals onsite. After the inspection Mr. Dickson (Dominion) provide the inspectors with the 2012 Superfund Amendments and Reauthorization Act Calculations used in the submission of the calendar year 2012 Tier II Report (Attachment 33). Mr. Dickson (Dominion) also provided the inspectors with calendar year 2012 batteries listing and the Oil Container Table (Attachments 34 and 35, respectively).

VIII. CLOSING CONFERENCE

A facility tour was conducted following initial discussions of the release event. The tour included observations and photographs of the location of the release. After a tour of the facility, a list of additional documents that were requested during the inspection was confirmed by the inspectors. Copies of the Notice of Inspection, the Receipt for Samples and Documents, and the Meeting Sign-In Sheet were made for the facility's records (Attachments 1 through 3, respectively) and the inspection was completed.

IX. ATTACHMENTS

1. Notice of Inspection (1 page).
2. Receipt for Samples and Documents (2 pages, single-sided).
3. Meeting Sign-In Sheet (1 page).
4. Facility Map Series, Including Street, Topographical, and Aerial Maps (4 pages, single-sided).
5. Photograph Log (2 pages, single-sided).
6. Regulatory Guidance (2 pages, single-sided).
7. National Response Center (NRC) Incident Report No. 1038884 (2 pages, single-sided).
8. National Response Center (NRC) Incident Report No. 1040001 (2 pages, single-sided)
9. May 16, 2013 Telephone Conversation Record between Mr. Jeffrey Thomas (CGS) and Mr. Paul Dickson (Dominion) (1 page).
10. May 22, 2013 Letter from Mr. Kevin Daniel (EPA) to Mr. Paul Dickson (Dominion) Confirming the Scheduled Inspection (15 pages, double-sided).
11. Dominion Cove Point LNG, LP Company Information (1 page).
12. Dominion Cove Point LNG, LP Corporate Hierarchy (1 page).

13. Facility Acreage Summary (1 page).
14. Facility Map (1 page, large format).
15. July 10, 2008 EPCRA Section 302 and 303 Submission (5 pages, single-sided).
16. December 15, 2012 through February 17, 2013 Ammonia Slip Data Report Summary (2 pages, single-sided).
17. Ammonia Slip Calculations (3 pages, single-sided).
18. July 15, 2013 Response to an Additional Information Request (6 pages, single-sided).
19. February 19, 2013 Initial Continuous Release Notification Report (3 pages, single-sided).
20. Continuous Release Initial Notification Notes (2 pages, single-sided).
21. Average Stack Flow and Temperatures (1 page).
22. Upper Bound Limit Calculation Results Summary (1 page).
23. March 18, 2013 Thirty (30) Day Initial Written Continuous Release Notification Report (31 pages, single-sided).
24. May 20, 2005 EPCRA Section 311 Submission (8 pages, single-sided).
25. December 15, 2006 EPCRA Section 311 Submission (12 pages, single-sided).
26. January 30, 2009 EPCRA Section 311 Submission (6 pages, single-sided).
27. September 22, 2011 EPCRA Section 311 Submission (39 pages, single-sided).
28. August 30, 2012 EPCRA Section 311 Submission (4 pages, single-sided).
29. Calendar Year 2010 Tier II Report Submission (13 pages, single-sided).
30. Calendar Year 2011 Tier II Report Submission (19 pages, single-sided).
31. Calendar Year 2012 Tier II Report Submission (16 pages, single-sided).
32. Calendar Year 2010 Revised Tier II Report Submission (21 pages, single-sided).
33. 2012 Superfund Amendments and Reauthorization Act Calculations (1 page).
34. 2012 Battery Listing (1 page).
35. Oil Container Table (9 pages, single-sided).

X. OUTSTANDING ISSUES

There are no outstanding issues at this time.

Dominion Cove Point LNG, LP
CERCLA Section 103 and EPCRA Sections 302 - 312 Inspection Report
Case No. 03-MD-2013-021

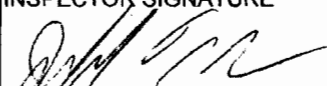
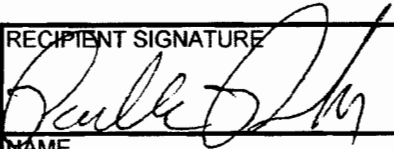
ATTACHMENT 1

Notice of Inspection



NOTICE OF INSPECTION U. S. ENVIRONMENTAL PROTECTION AGENCY

Emergency Planning and Community Right-to-Know Act (EPCRA) and the
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

1. INVESTIGATION IDENTIFICATION			2. TIME	3. FIRM NAME
DATE 6/3/2013	INSPECTOR NO. N/A	DAILY SEQ. NO. N/A	9:30 a.m.	Dominion Cove Point LNG, Ltd.
4. INSPECTOR ADDRESS Chenega Global Services PO Box 192 Downingtown, PA 19335			5. FIRM ADDRESS 2100 Cove Point Road Lusby, MD 20657	
<p>REASON FOR INSPECTION: This inspection is for the purpose of determining compliance with the Emergency Planning and Community Right-to-Know Act of 1986 and Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA). The scope of this inspection may include, but is not limited to: reviewing and obtaining copies of documents and records; interviews and taking of statements; reviewing of chemical manufacturing, importing, processing, and/or use facilities, including waste handling and treatment operations; taking samples and photographs; and any other inspection activities necessary to determine compliance with the Act.</p> <p>You may, if appropriate, pursuant to Title 40 of the Code of Federal Regulations Section 2.203 paragraph (b) [40 CFR § 2.203(b)], assert a business confidentiality claim covering all or part of the information requested above. Information covered by such a claim will be handled by EPA in accordance with the procedures set forth in Subpart B, 40 CFR Part 2. If no claim of confidentiality accompanies the information requested herein when it is received by EPA, it may be made available to the public by EPA without further notice to the company.</p>				
INSPECTOR SIGNATURE 			RECIPIENT SIGNATURE 	
NAME Jeff Thomas			NAME Paul E. Dickson Jr.	
TITLE Inspector	DATE SIGNED 6/3/13		TITLE Env Consultant	DATE SIGNED 6-3-13

Dominion Cove Point LNG, LP
CERCLA Section 103 and EPCRA Sections 302 - 312 Inspection Report
Case No. 03-MD-2013-021

ATTACHMENT 2

Receipt for Samples and Documents

**RECEIPT FOR SAMPLES AND DOCUMENTS**
U. S. ENVIRONMENTAL PROTECTION AGENCYEmergency Planning and Community Right-to-Know Act (EPCRA) and the
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

1. INVESTIGATION IDENTIFICATION			2. TIME	3. FIRM NAME
DATE	INSPECTOR NO.	DAILY SEQ. NO.		
6/3/2013	N/A	N/A	9:30 a.m.	Dominion Cove Point LNG, Ltd.
4. INSPECTOR ADDRESS			5. FIRM ADDRESS	
Chenega Global Services PO Box 192 Downingtown, PA 19335			2100 Cove Point Road Lusby, MD 20657	

The documents and samples of chemical substances and/or materials described below were collected in connection with the administration and enforcement of the Emergency Planning and Community Right-to-Know Act of 1986 and the Comprehensive Environmental Response, Compensation and Liability Act as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA).

RECEIPT OF THE DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED.


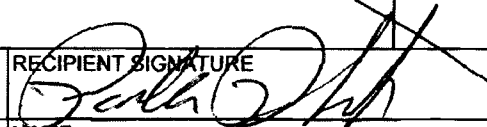
NO.	DESCRIPTION	PAGES (single or double)
1	Notice of Inspection	1
2	Meeting Sign-In Sheet	1
3	Background Information	1
4	Continuous Release Notification Documentation	39-SS
5	Paul Dickson's Logbook from 2/19/13	2-SS
6	7/10/08 Emergency Planning Notification	5-SS
7	8 EPCRA 311 Updates	—
8	2010 Tier II Submittal & revision	84-SS
9	2011 Tier II Report	32-SS
10	2012 Tier II Report	28-SS

INSPECTOR SIGNATURE		RECIPIENT SIGNATURE	
NAME		NAME	
Jeff Thomas		Paul E. Dickson Jr.	
TITLE	DATE SIGNED	TITLE	DATE SIGNED
Inspector	6/3/13	Env Consultant	6/3/13

Emergency Planning and Community Right-to-Know Act (EPCRA) and the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

The documents and samples of chemical substances and/or materials described below were collected in connection with the administration and enforcement of the Emergency Planning and Community Right-to-Know Act of 1986 and the Comprehensive Environmental Response, Compensation and Liability Act as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA).

RECEIPT OF THE DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED.

NO.	DESCRIPTION	PAGES (single or double)
11	Facility Map	1
INSPECTOR SIGNATURE 		RECIPIENT SIGNATURE 
NAME Jeff Thomas		NAME Paul E. Dickson
TITLE Inspector	DATE SIGNED 6/3/13	TITLE Env Consultant
		DATE SIGNED 6/3/13

ATTACHMENT 3

Meeting Sign-In Sheet

Meeting Sign-In Sheet
EPCRA Inspection

Facility Dominion Cove Point LNG, Ltd.
2100 Cove Point Road
Lusby, MD 20657

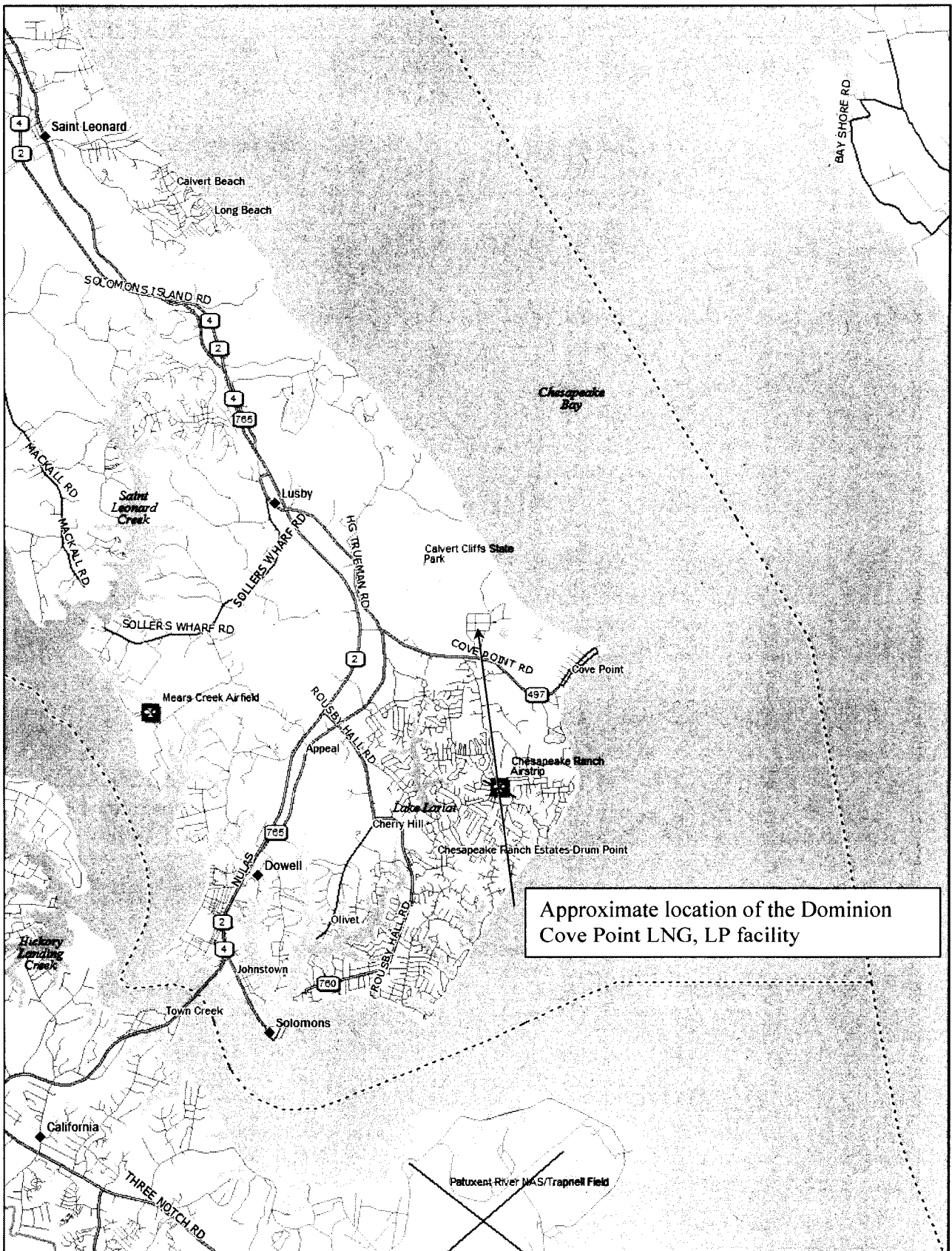
Date: 6/3/2013

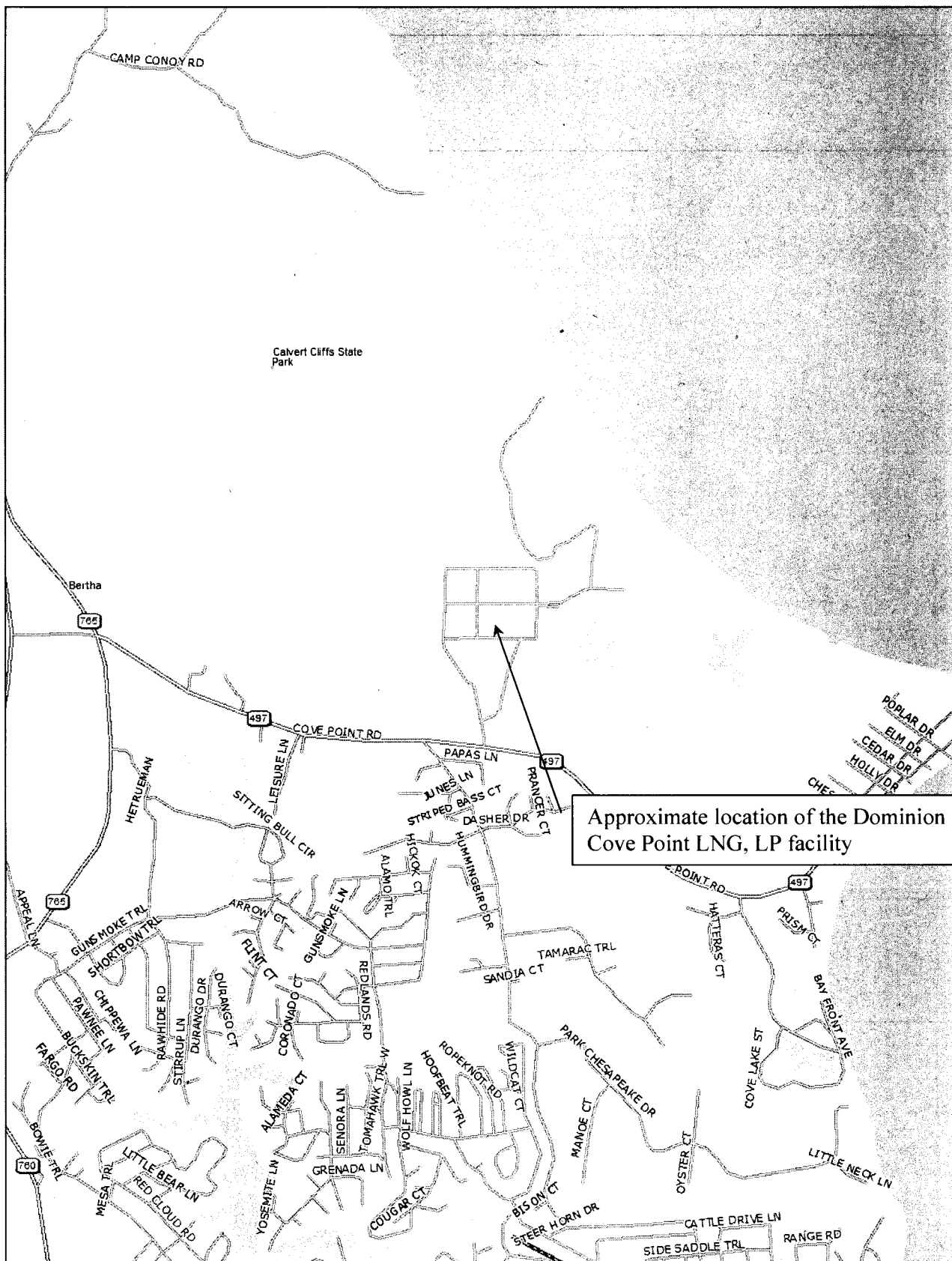
Time: 9:30 a.m.

NAME	TITLE	FIRM	PHONE #
Jeff Thomas	Enforcement Support Specialist	Chenega Global Services	610-873-4114
Kristie DePiero	Enforcement Support Specialist	Chenega Global Services	267-374-8120
Tammy Roberson	Environmental Compliance Specialist	NDE	443.286.0524
Bobby Fenwick	Division Chief, Emergency Mgt + Safety	Calvert Cl	410 535 1600 x 2301
Paul Dickson	Environmental Consultant	Dominion Resources	410 286 5136
MICHAEL GARDNER	MANAGER LNG OPERATION	DOMINION	410 286 5101

ATTACHMENT 4

Facility Map Series, Including Street, Topographical, and Aerial Maps





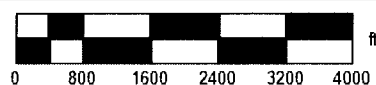
Approximate location of the Dominion
Cove Point LNG, LP facility

DeLORME

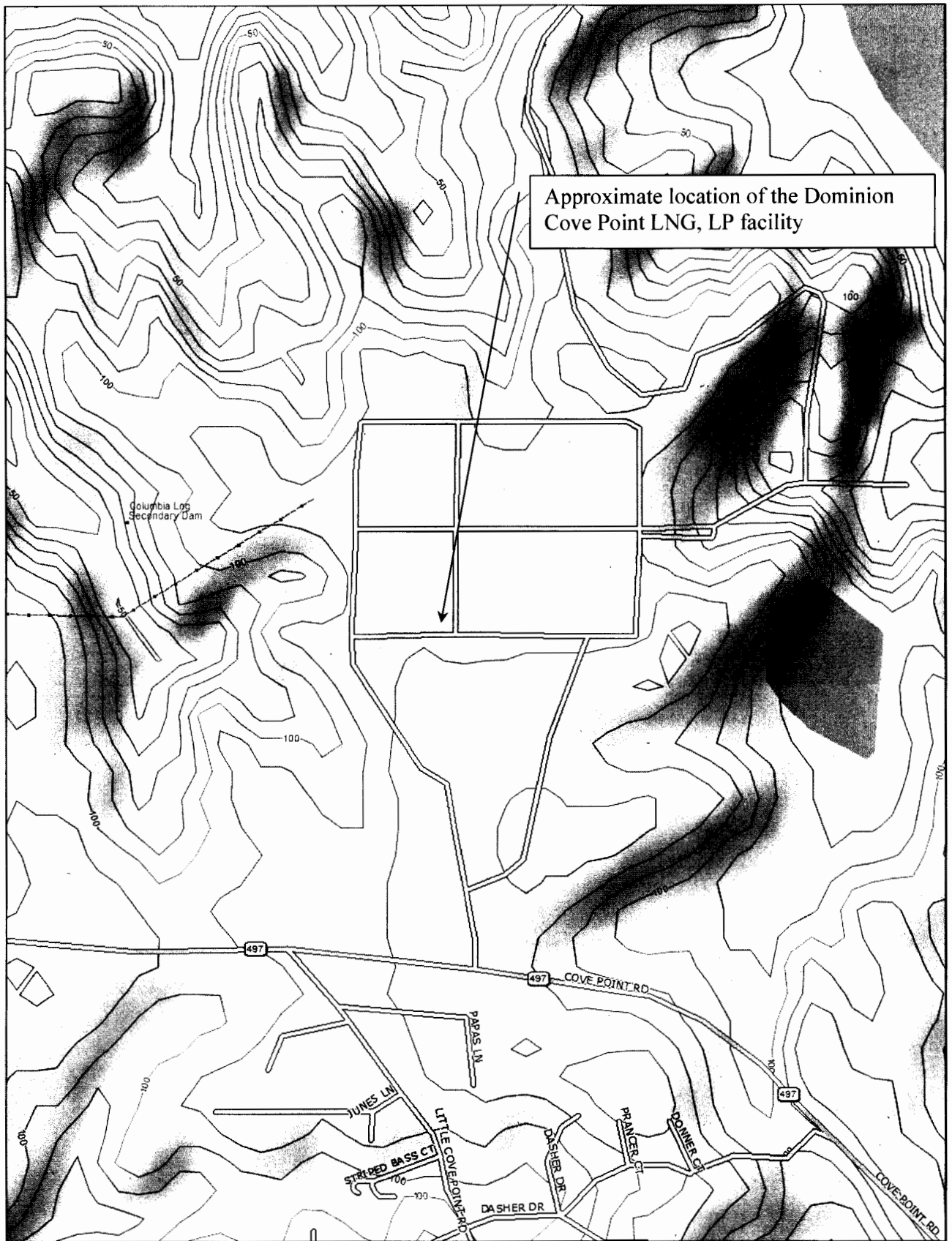
Data use subject to license.

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www.delorme.com



Data Zoom 13-0



DELOORME

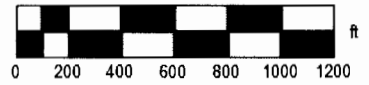
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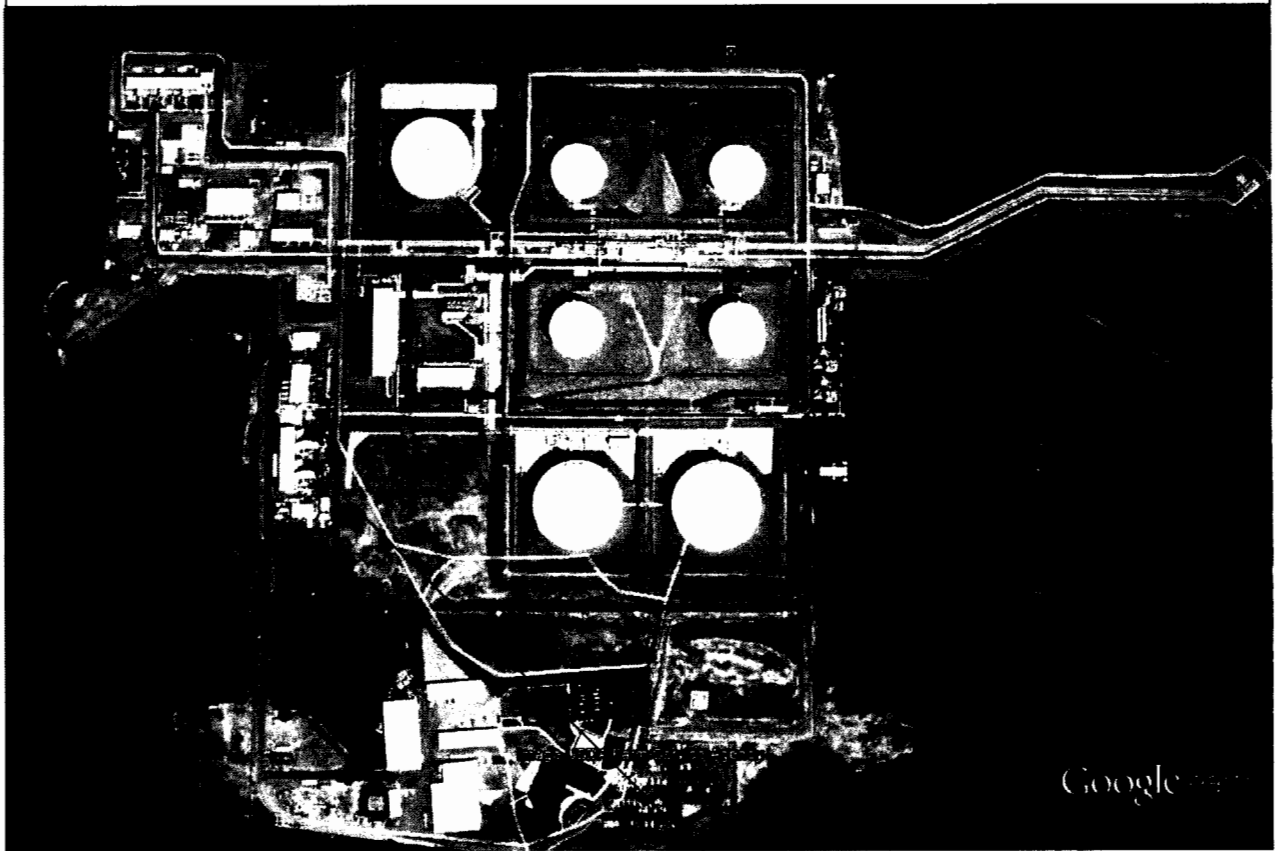


MN (11.0° W)



Data Zoom 14-6

Dominion Cove Point LNG, LP Facility



Location of the three (3) GE
Frame 3 Turbines and SCRs

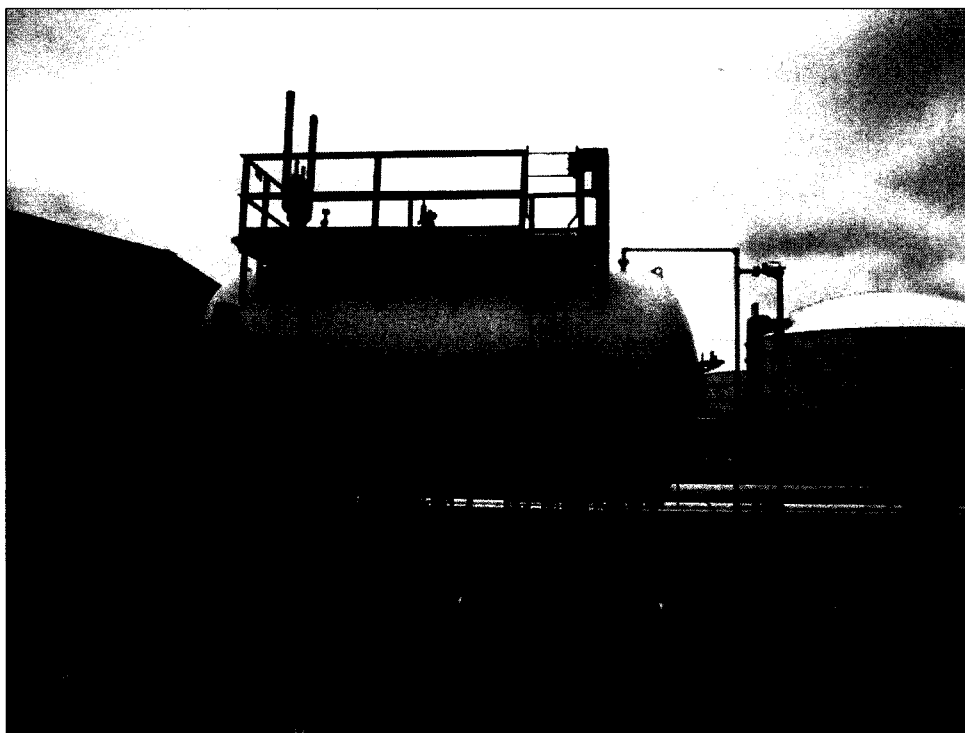
Location of the two (2) GE
Frame 5 Turbines, the Solar
Turbine, and the SCRs

ATTACHMENT 5

Photograph Log



Photograph 1 – A view of the exhaust stacks for the Solar turbine (left) and the two (2) GE Frame 5 turbines (right) and the release points of the ammonia continuous release.



Photograph 2 – A view of the ammonium hydroxide storage tank for the GE Frame 5 and Solar turbine SCRs.



Photograph 3 – A view of the exhaust stacks for the three (3) GE Frame 3 turbines and the release points of the ammonia continuous release.



Photograph 4 – A view of the ammonium hydroxide storage tank for the GE Frame 3 turbine SCR.

ATTACHMENT 6

Regulatory Guidance

REGULATORY GUIDANCE

EPCRA Section 302:

The owners or operators of facilities are required to notify the State Emergency Response Commission (SERC) if any Extremely Hazardous Substances (EHSs) are present at the facility at, or above the Threshold Planning Quantity (TPQ). The TPQ means the total amount of an EHS (at concentrations greater than one percent by weight) present at any one given time. If any EHS was present at, or above the TPQ the facility must have notified the SERC prior to May 17, 1987 or notified the SERC and Local Emergency Planning Committee (LEPC) within 60 days from the time the TPQ was first reached or exceeded. Because Section 302 does not require substance-specific reporting, once an owner/operator has notified the SERC/LEPC that the facility is subject to the requirements of Section 302, subsequent acquisition of new EHSs or the listing of a substance that is present at the facility in excess of the TPQ does not require the owner/operator to re-notify the SERC nor the LEPC.

EPCRA Section 303:

If the facility is subject to Section 302, the facility must also comply with Section 303 (d) (1). This requires that the facility identify a Facility Emergency Coordinator (FEC) and submit this information to the LEPC for inclusion in the Comprehensive Emergency Response Plan (CERP). In addition, under Section 303(d) (2), a covered facility must inform the LEPC of any relevant changes occurring at the facility as such changes occur or are expected to occur.

EPCRA Section 304/CERCLA Section 103:

Facilities must report releases of an EHS or a CERCLA Section 103(a) hazardous substance when released into the environment (i.e. air, land, surface water or ground water) in a quantity equal to or greater than an established Reportable Quantity (RQ). The RQs for these specific chemicals are located in their respective lists (Title 40 of the Code of Federal Regulations [CFR] Part 355 Appendices A and B; 40 CFR Part 302.4), as well as in the "List of Lists". If EPA has not yet established an RQ for a substance, the statutory RQ is one (1) pound. In the event of a release of an EHS in a quantity equal to or greater than the RQ, the facility must provide immediate notification and a written follow-up report to the SERC and the LEPC for all areas likely to be affected by the release. In the event of a release of a CERCLA Section 103(a) hazardous substance, or a substance listed both as an EHS and CERCLA Section 103(a) hazardous substance in quantity equal to or greater than the RQ, the facility must provide immediate notification and a written follow-up report to the SERC and the LEPC for all areas likely to be affected by the release, as well as immediate notification to the National Response Center (NRC).

EPCRA Section 311:

The requirements of Section 311 apply to any facility that is required to prepare or have available a Material Safety Data Sheet (MSDS) for a hazardous chemical under the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR Part 1910.1200). The minimum threshold levels for chemicals subject to Section 311 are as follows. The minimum threshold level for hazardous chemicals for which OSHA requires a facility to prepare or have available an MSDS is 10,000 pounds (4,560 kilograms), and for EHSs the minimum threshold level is equal to its TPQ or 500 pounds (227 kilograms - approximately 55 gallons), whichever is less. Section 311(a) (1) requires that the owner or operator of any facility which has present the quantity of a hazardous chemical or an EHS that is equal to or greater than its minimum threshold level submit a copy of the MSDS for each such chemical, or a list identifying such chemicals, to the SERC, the LEPC, and the Fire Department.

A facility owner or operator must comply with the Section 311 reporting requirements within three (3) Months (i.e., ninety [90] days) after the facility first becomes subject to these reporting requirements by acquiring quantities of hazardous chemicals or EHSs equal to or greater than the minimum threshold levels for such chemicals.

EPCRA Section 312:

The criteria which subject a facility to reporting the hazardous chemicals and EHSs present at their facility under Section 312 are the same as those criteria for Section 311. Section 312 requires that the owner or operator of a facility submit to the SERC, the LEPC, and the Fire Department an annual Emergency and Hazardous Chemical Inventory Form for those hazardous chemicals and EHSs present (in quantities equal to or greater than the minimum threshold levels) at the facility during the preceding calendar year. This annual Emergency and Hazardous Chemical Inventory Form can take the form of a Tier I Inventory Form or Tier II Inventory Form. A Tier I Inventory Form includes an aggregate of information based on five (5) categories of physical and health hazards established by EPA. A Tier II Inventory Form includes the specific identity, quantity, and location of each hazardous chemical and EHS subject to this reporting requirement, rather than an aggregated category. A facility subject to this reporting requirement must submit a Tier I Inventory Form, or may submit a Tier II Inventory Form in lieu of the Tier I Inventory Form. However, a facility must submit a Tier II Inventory Form within thirty (30) days if specifically requested by the SERC, the LEPC, or the Fire Department.

Dominion Cove Point LNG, LP
CERCLA Section 103 and EPCRA Sections 302 - 312 Inspection Report
Case No. 03-MD-2013-021

ATTACHMENT 7

National Response Center (NRC) Incident Report No. 1038884

Extended Spill Summary Report for DataID #1342990

Report Date: 2/20/2013

Report Time: 6:59 AM EST

Hotline Log Entry Information

Data ID: 1342990

Date Of Report: 19-FEB-13 15:37

NRC #: 1038884

State #:

ERNS #:

Material Type: Haz

Receiver: R. Rupert

Material / Amount:

Location:

City: LUSBY
County: CALVERT
State: MD

Source of Pollution:

DOMINION COVE POINT LNG LP

Water Body:

State Or EPA Responded:

Initial EPA Action:

emailed C. Fittsimmons and faxed MDE

Status:

1 - Pending

URL:

Associated Action Reports

DataID: 0591719

Date: 2013/02/20	Time: 06:41	Submitted by: R03 Duty Officer
Duty Officer/Responder Name: L. Marzulli	NRC Report #: 1038884	Hotline Log DataID: 1342990
Action Information		
Description: This report is a Continuous Release. E-mailed report to Air, SARA Title III and EPCRA Programs.		
Person Contacted		
Name:		
Organization:		
Phone #:		

Associated NRC Report

NATIONAL RESPONSE CENTER 1-800-424-8802

GOVERNMENT USE ONLYGOVERNMENT USE ONLY***

Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1038884

INCIDENT DESCRIPTION

*Report taken by: MST2 JOSHUA DIAZ at 15:37 on 19-FEB-13

Incident Type: CONTINUOUS

Incident Cause: OTHER

Affected Area:

Incident occurred on 19-FEB-13 at 15:34 local incident time.

REPORTING PARTY

Name: PAUL DICKSON

Organization: DOMINION COVE POINT LNG LP

Address: 2100 COVE POINT RD

LUSBY, MD 20657

PRIMARY Phone: (410)2865136

Type of Organization: PRIVATE ENTERPRISE

SUSPECTED RESPONSIBLE PARTY

Name: PAUL DICKSON

Organization: DOMINION COVE POINT LNG LP

Address: 2100 COVE POINT RD

LUSBY, MD 20657

PRIMARY Phone: (410)2865136

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

2100 COVE POINT RD County: CALVERT

City: LUSBY State: MD Zip: 20657

DOMINION COVE POINT LNG LP

RELEASED MATERIAL(S)

DESCRIPTION OF INCIDENT

CALLER STATED THAT THE FACILITY HAS COMBUSTION TURBINES THAT HAVE SCR'S AND THE SCR'S UTILIZE AQUEOUS AMMONIA INJECTION. THIS IS A CONTINUOUS RELEASE REPORT FOR THE AMMONIA IN THE PROCESS. THEY HAVE 3 UNITS THAT ARE SUBJECT TO THIS REGULATION AND THE FIRST ONE PRODUCES 161.8 POUNDS IN 24 HOURS. THE SECOND ONE PRODUCES 135 POUNDS IN 24 HOURS AND THE THIRD ONE PRODUCES 285.1 POUNDS IN 24 HOURS.

INCIDENT DETAILS

Continuous Release Type: INITIAL

Initial Continuous Release Number: 1038884

Continuous Release Permit: 2400900021

IMPACT

REMEDIAL ACTIONS

NOTIFICATIONS BY NRC

ADDITIONAL INFORMATION

CONTINUOUS RELEASE MATERIAL

CHRIS Code: AHM Official Material Name: AMMONIUM HYDROXIDE

Also Known As:

Upper Bounds: 161.8 POUND(S)/DAY

*** END INCIDENT REPORT # 1038884 ***

Report any problems by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

Dominion Cove Point LNG, LP
CERCLA Section 103 and EPCRA Sections 302 - 312 Inspection Report
Case No. 03-MD-2013-021

ATTACHMENT 8

National Response Center (NRC) Incident Report No. 1040001

NATIONAL RESPONSE CENTER 1-800-424-8802

*** For Public Use ***

Information released to a third party shall comply with any
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1040001

INCIDENT DESCRIPTION

*Report taken at 11:37 on 04-MAR-13

Incident Type: CONTINUOUS

Incident Cause: OTHER

Affected Area:

The incident occurred on 19-FEB-13 at 15:34 local time.

Affected Medium: AIR ATMOSPHERE

SUSPECTED RESPONSIBLE PARTY

Organization: DOMINION COVE POINT LNG LP
 LUSBY, MD 20657

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

2100 COVE POINT RD County: CALVERT

City: LUSBY State: MD Zip: 20657

RELEASED MATERIAL(S)

DESCRIPTION OF INCIDENT

CALLER STATED THAT THE FACILITY HAS COMBUSTION TURBINES THAT HAVE SCR'S AND THE SCR'S UTILIZE AQUEOUS AMMONIA INJECTION. THIS IS A CONTINUOUS RELEASE REPORT FOR THE AMMONIA IN THE PROCESS. THEY HAVE 3 UNITS THAT ARE SUBJECT TO THIS REGULATION AND THE FIRST ONE PRODUCES 161.8 POUNDS IN 24 HOURS. THE SECOND ONE PRODUCES 135 POUNDS IN 24 HOURS AND THE THIRD ONE PRODUCES 285.1 POUNDS IN 24 HOURS. /// THIS IS AN UPDATE TO REPORT NUMBER 1038884/// ALL INFORMATION IS STILL THE SAME AS THE ORIGINAL REPORT.

INCIDENT DETAILS

Continuous Release Type: INITIAL

Initial Continuous Release Number: 1038884

Continuous Release Permit: 2400900021

DAMAGES

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES:	NO	Hospitalized:	Empl/Crew:	Passenger:
FATALITIES:	NO	Empl/Crew:	Passenger:	Occupant:

EVACUATIONS: NO Who Evacuated: Radius/Area:

Damages: NO

<u>Closure Type</u>	<u>Description of Closure</u>	<u>Length of Closure</u>	<u>Direction of Closure</u>
Air:	N		
Road:	N		Major Artery: N
Waterway:	N		

Track: N
Passengers Transferred: NO
Environmental Impact: UNKNOWN
Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

Release Secured: UNKNOWN
Release Rate:
Estimated Release Duration:

WEATHER

Weather: UNKNOWN, °F

ADDITIONAL AGENCIES NOTIFIED

Federal:
State/Local:
State/Local On Scene:
State Agency Number:

NOTIFICATIONS BY NRC

ATLANTIC STRIKE TEAM (MAIN OFFICE)
04-MAR-13 11:45
CG INVESTIGATIVE SERVICE BALTIMORE (MAIN OFFICE)
04-MAR-13 11:45
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
04-MAR-13 11:45
CONT. RELEASE (MAIN OFFICE)
04-MAR-13 11:45
CONT. RELEASE 3 (MAIN OFFICE)
04-MAR-13 11:45
U.S. EPA III (MAIN OFFICE)
04-MAR-13 11:46
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)
04-MAR-13 11:45
NOAA RPTS FOR MD (MAIN OFFICE)
04-MAR-13 11:45
NATIONAL RESPONSE CENTER HQ (MAIN OFFICE)
04-MAR-13 11:47
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)
04-MAR-13 11:45
MD DEPT OF ENV (MAIN OFFICE)
04-MAR-13 11:45
MD EMERGENCY MANAGEMENT AGENCY (MAIN OFFICE)
04-MAR-13 11:45
USCG DISTRICT 5 (D5 DRAT)
04-MAR-13 11:45

ADDITIONAL INFORMATION

CONTINUOUS RELEASE MATERIAL

CHRIS Code: AHM Official Material Name: AMMONIUM HYDROXIDE
Also Known As:
Upper Bounds: 161.8 POUND(S)/DAY

*** END INCIDENT REPORT # 1040001 ***

ATTACHMENT 9

May 16, 2013 Telephone Conversation Record between Mr. Jeffrey Thomas (CGS) and Mr. Paul Dickson
(Dominion)

TELEPHONE CONVERSATION RECORD (2-sided Form)

CONVERSATION WITH:

NAME: Paul Dickson
COMPANY: Dominion Cove Point LNG, LP
ADDRESS: 2100 Cove Point Rd
Lusby, MD 20657
PHONE NO.: 410-286-5136
SUBJECT: EPCRA Inspection Scheduling

RECORD OF PHONE CALL ATTEMPTS:

DATE: 05 / 16 / 13 () left message
TIME: 1127 hours AM/PM (x) see notes
no answer

DATE: ____ / ____ / ____ () left message
TIME: ____ AM/PM () see notes
no answer

() ORIGINATOR PLACED CALL

() ORIGINATOR RECEIVED CALL

* NOTES *

On May 16, 2013, Mr. Jeffrey Thomas of Chenega Global Services, LLC contacted the listed telephone number of the Dominion facility and was directed to Mr. Paul Dickson, Dominion Environmental Consultant. Mr. Thomas stated that he was attempting to schedule a CERCLA Section 103 and EPCRA Sections 302, 303, 304, 311, and 312 inspection at the Dominion facility located in Lusby, Maryland regarding a reported continuous release of ammonia that was discovered on February 19, 2013. Mr. Dickson and Mr. Thomas agreed that the inspection would be conducted on June 3, 2013 at 9:30 a.m.

(MESSAGE CONTINUES ON REVERSE SIDE?) ☐ YES ☐ NO

FOLLOW-UP ACTION: _____

☐ COPY/ROUTE TO: _____

☐ FOLLOW-UP _____

☐ FILE _____

ATTACHMENT 10

May 22, 2013 Letter from Mr. Kevin Daniel (EPA) to Mr. Paul Dickson (Dominion) Confirming the
Scheduled Inspection



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

VIA ELECTRONIC MAIL MESSAGE

Paul.e.dickson@dom.com, and

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

MAY 22 2013

Mr. Paul Dickson
Environmental Consultant
Dominion Cove Point LNG, Ltd.
2100 Cove Point Road
Lusby, MD 20657

Re: Dominion Cove Point LNG, Ltd.

Dear Mr. Dickson:

The purpose of this letter is to confirm that on June 3, 2013 at 9:30 a.m., the U.S. Environmental Protection Agency ("EPA") will conduct an inspection of the Dominion Cove Point LNG, Ltd. ("Dominion") facility located at 2100 Cove Point Road in Lusby, Maryland. This inspection will be conducted pursuant to the Emergency Planning and Community Right-to-Know Act ("EPCRA") and the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"). EPA's primary focus during this inspection will be to gather information regarding compliance with Section 304 of EPCRA and Section 103 of CERCLA regarding a continuous release involving anhydrous ammonia and or ammonium hydroxide, which occurred on February 19, 2013. Information regarding Dominion's compliance with Sections 302, 303, 311, and 312 of EPCRA will also be reviewed with facility representatives during this inspection.

The inspection will be conducted by Chenega Global Services, LLC ("CGS"), a contractor to EPA under the Enforcement Support Services and Community Involvement Support Contract, EP-S3-09-02. CGS is designated by the Administrator of the U. S. EPA to conduct inspections pursuant to EPCRA and CERCLA. CGS representatives are authorized to have access to Confidential Business Information and have signed a Non-Disclosure agreement regarding such information.

The scope of the inspection may include, but is not limited to: reviewing and obtaining copies of documents and records; interviewing and taking statements; reviewing of chemical manufacturing, importing, processing; and/or use facilities, including waste handling and treatment operations; taking samples and photographs; and any other inspection activities necessary to gather information relative to compliance with EPCRA for the Dominion facility located at 2100 Cove Point Road in Lusby, Maryland.

The inspectors will review and may obtain copies of the following documents:

- Calendar years 2010, 2011 and 2012 on-site inventories of all chemical substances and mixtures used, stored, processed and/or manufactured at each facility. Include, in this summary, chemical names with Chemical Abstracts Service (“CAS”) number and maximum quantities on-hand at any one time.
- A copy of the notifications to the State Emergency Response Commission (“SERC”), or the Local Emergency Planning Committee (“LEPC”), indicating that an Extremely Hazardous Substance (“EHS”) is stored in quantities equal to or greater than the Threshold Planning Quantity (“TPQ”), as required by EPCRA §302.
- A copy of any correspondence to the SERC, or the LEPC, verifying an identified Facility Emergency Coordinator (“FEC”), as required by EPCRA §303.
- Copies of Material Safety Data Sheets (“MSDSs”), or the list of MSDS chemicals, your facility submitted to the appropriate SERC, LEPC, and local Fire Department for those chemicals present in quantities which meet or exceed the applicable TPQ or threshold level, as required by EPCRA §311.
- Copies of Tier II Report forms submitted to the appropriate SERC, LEPC, and local Fire Department for those chemicals subject to EPCRA §311 at your facility during calendar years 2010, 2011, and 2012, as required by EPCRA §312.
- Any Federal or State permits under which the release may have been covered, including permitted levels of emissions.
- Any continuous release reports for CERCLA §103(f) under which the release may have been covered.
- Copies of any information regarding the reported release. Information may include, but it’s not limited to, incident reports, follow-up reports, and analytical data, monitoring data, documentation generated as a result of the release investigations and physical materials related to the release (i.e. valves, piping and/or other equipment associated with each release). Please have facility personnel provide a clear timeline of events for the release

To facilitate the inspection process and minimize the time the inspectors need to be at your facility, please have these documents ready at the time of the inspection. In addition, please have available a site plan or facility diagram, as well as a written general description of your business operations including: Standard Industrial Classification (“SIC”) Code; North American Industry Classification System (“NAICS”) Code; year business began operations; year and state

of incorporation; calendar year 2012 estimated annual revenue; number of employees; branch locations; headquarters or parent offices; and company officials (*e.g.*, President, CEO, Plant or Branch Managers). Please provide this information on company letterhead or other documentation which clearly indicates your company name, address, city, and state.

You may, if appropriate, pursuant to the procedures set forth at **40 C.F.R. § 2.203(b)**, assert a business confidentiality claim covering all or part of the information requested above. Information covered by such a claim will be handled by EPA in accordance with the procedures set forth in **40 C.F.R. Part 2, Subpart B**. If no claim of confidentiality accompanies the information requested herein when it is received by EPA, it may be made available to the public by EPA without further notice to the company.

On April 11, 2000, EPA issued its revised final "Small Business Compliance Policy". This policy implements, in part, the Executive Memorandum of Regulatory Reform (60 Federal Register 20261, April 26, 1995) and Section 323 of the Small Business Regulatory Enforcement Fairness Act ("SBREFA"). Attached with this letter you will also find a SBREFA Information Sheet which will provide you with a variety of compliance assistance tools to assist you in complying with federal and state environmental laws. In addition, EPA has an informative website for Small Business Compliance and Enforcement, including the SBREFA Information Sheet, at: <http://www.epa.gov/compliance/incentives/smallbusiness/>

If at all possible, please provide the inspectors with a convenient location (*e.g.*, office, conference room) to conduct the inspection and complete their paperwork. The inspectors may need to have access to a telephone. Please also be prepared to have a knowledgeable operations/maintenance facility representative available to accompany the inspectors on a tour of your facility.

The inspectors will provide you with a partial list of chemicals subject to SARA Title III, a guide to SARA Title III, and instructions to assist you in preparing documents necessary to determine compliance.

If you have any questions, or if for security or clearance reasons you need any additional information pertinent to the individuals who will be conducting the subject inspection, please contact Perry Pandya, EPCRA Coordinator, at (215) 814-2167.

Sincerely,



Kevin Daniel, Acting Chief
Oil and Prevention Branch

Attachments:

Recommended format for on-site inventories
EPCRA Fact Sheets
SBREFA Information Sheet

cc: Case File (03-MD-2013-021)
Jeffrey Thomas (CGS)
Craig Yussen (3WC33)
Patricia Williams (MDE)

Attachment 1

Recommended format for on-site inventories

Please provide a list of all the hazardous chemicals, mixtures, and/or EHSs that you had on-site during calendar years 2010, 2011, and 2012, and for which the Occupational Safety and Health Administration ("OSHA") requires that you have a Material Safety Data Sheet ("MSDS"). Please provide quantities for each of these substances for each year as well. Mixtures should be broken down into components by percentages. Include the Chemical Abstracts Service ("CAS") numbers (if available) for all hazardous chemicals. The table below lists examples and a recommended format.

Pure Chemical OR Chemical Name from product	Percentage	CAS Number	2010 Quantity (lbs)	2011 Quantity (lbs)	2012 Quantity (lbs)
Sulfuric acid	100%	7664-93-9	12,500 (total)	12,000 (total)	13,000 (total)
Xylene from yellow paint #2	25%	1330-20-7	25,500 (total)	22,000 (total)	13,300 (total)
from degreaser A12	35%		8,000	9,000	7,150
pure	100%		8,500	8,400	2,150
Toluene from degreaser A12	50%	108-88-3	9,000	4,600	4,000
from yellow paint #2	20%		35,600 (total)	37,000 (total)	37,000 (total)
from orange paint #5	5%		9,300	9,300	9,300
pure	100%		9,200	9,200	9,200
			8,100	8,100	8,100
			9,000	10,400	10,400



The Emergency Planning and Community Right-to-Know Act

The Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) establishes requirements for Federal, State and local governments, Indian Tribes, and industry regarding emergency planning and "Community Right-to-Know" reporting on hazardous and toxic chemicals. The Community Right-to-Know provisions help increase the public's knowledge and access to information on chemicals at individual facilities, their uses, and releases into the environment. States and communities, working with facilities, can use the information to improve chemical safety and protect public health and the environment.

What Does EPCRA Cover?

EPCRA has four major provisions:

- Emergency planning (Section 301-303),
- Emergency release notification (Section 304),
- Hazardous chemical storage reporting requirements (Sections 311-312), and
- Toxic chemical release inventory (Section 313).

Information gleaned from these four requirements will help States and communities develop a broad perspective of chemical hazards for the entire community as well as for individual facilities.

Regulations implementing EPCRA are codified in Title 40 of the Code of Federal Regulations, parts 350 to 372. The chemicals covered by each of the sections are different, as are the quantities that trigger reporting. Table 1 on the next page summarizes the chemicals and thresholds.

What Are Emergency Response Plans (Sections 301-303)?

Emergency Response plans contain information that community officials can use at the time of a chemical accident. Community emergency response plans for chemical accidents were developed under

section 303. The plans must:

- Identify facilities and transportation routes of extremely hazardous substances;
- Describe emergency response procedures, on and off site;
- Designate a community coordinator and facility coordinator(s) to implement the plan;
- Outline emergency notification procedures;
- Describe how to determine the probable affected area and population by releases;
- Describe local emergency equipment and facilities and the persons responsible for them;
- Outline evacuation plans;
- Provide a training program for emergency responders (including schedules); and,
- Provide methods and schedules for exercising emergency response plans.

Planning activities of LEPCs and facilities initially focused on, but were not limited to, the 356 extremely hazardous substances listed by EPA. The list includes the threshold planning quantities (minimum limits) for each substance. Any facility that has any of the listed chemicals at or above its threshold planning quantity must notify the SERC and LEPC within 60 days after they first receive a shipment or produce the substance on site.

FACTSHEET

What Are the Emergency Notification Requirements (Section 304)?

Facilities must immediately notify the LEPC and the SERC if there is a release into the environment of a hazardous substance that is equal to or exceeds the minimum reportable quantity set in the regulations. This requirement covers the 356 extremely hazardous substances as well as the more than 700 hazardous substances subject to the emergency notification requirements under CERCLA Section 103(a)(40 CFR 302.4). Some chemicals are common to both lists. Initial notification can be made by telephone, radio, or in person. Emergency notification requirements involving transportation incidents can be met by dialing 911, or in the absence of a 911 emergency number, calling the operator. This emergency notification needs to include:

- The chemical name;
- An indication of whether the substance is extremely hazardous;
- An estimate of the quantity released into the environment;
- The time and duration of the release;
- Whether the release occurred into air, water, and/or land;
- Any known or anticipated acute or chronic health risks associated with the emergency, and where necessary, advice regarding medical attention for exposed individuals;
- Proper precautions, such as evacuation or sheltering in place; and,

What Are SERCs and LEPCs?

The Emergency Response Team (ERT) is a group of individuals who are trained to respond to emergencies. The ERT is responsible for coordinating the response to emergencies and for providing information to the public. The ERT is also responsible for coordinating the response to emergencies and for providing information to the public.

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- Name and telephone number of contact person.

A written follow-up notice must be submitted to the SERC and LEPC as soon as practicable after the release. The follow-up notice must update information included in the initial notice and provide information on actual response actions taken and advice regarding medical attention necessary for citizens exposed.

Table 1. CERCLA Chemicals and Reporting Thresholds

	Section 302	Section 304	Sections 311/312	Section 313
Chemicals Covered	356 extremely hazardous substances	>1,000 substances	500,000 products	650 toxic chemicals and categories
Thresholds	Threshold Planning Quantity 1-10,000 pounds on site at any one time	Reportable quantity, 1-5,000 pounds, released in a 24-hour period	TPQ or 500 pounds for Section 302 chemicals; 10,000 pounds on site at any one time for other chemicals	25,000 pounds per year manufactured or processed; 10,000 pounds a year used; certain persistent bioaccumulative toxics have lower thresholds

What Are the Community Right-to-know Requirements (Sections 311/312)?

Under Occupational Safety and Health Administration (OSHA) regulations, employers must maintain a material safety data sheet (MSDS) for any hazardous chemicals stored or used in the work place. Approximately 500,000 products have MSDSs.

Section 311 requires facilities that have MSDSs for chemicals held above certain quantities to submit either copies of their MSDSs or a list of MSDS chemicals to the SERC, LEPC, and local fire department. If the facility owner or operator chooses to submit a list of MSDS chemicals, the list must include the chemical or common name of each substance and must identify the applicable hazard categories. These hazard categories are:

- Immediate (acute) health hazard;
- Delayed (chronic) health hazard;
- Fire hazard;
- Sudden release of pressure hazard; and
- Reactive hazard.

If a list is submitted, the facility must submit a copy of the MSDSs for any chemical on the list upon the request of the LEPC or SERC.

Facilities that start using a chemical or increase the quantity to exceed the thresholds must submit MSDSs or a list of MSDS chemicals within three months after they become covered. Facilities must provide a revised MSDS to update the original MSDS if significant new information is discovered about the hazardous chemical.

Facilities covered by section 311 must, under section 312, submit annually an emergency and hazardous chemical inventory form to the LEPC, the SERC, and the local fire department. Facilities provide either a Tier I or Tier II form. Tier I forms include the following aggregate information for each applicable hazard category:

- An estimate (in ranges) of the maximum amount of chemicals for each category present at the facility at any time during the preceding calendar year;
- An estimate (in ranges) of the average daily amount of chemicals in each category; and,
- The general location of hazardous chemicals in each category.

The Tier II report contains basically the same information as the Tier I, but it must name the specific chemicals. Many states require Tier II information under state law. Tier II forms provide the following information for each substance:

- The chemical name or the common name as indicated on the MSDS;
- An estimate (in ranges) of the maximum amount of the chemical present at any time during the preceding calendar year and the average daily amount;
- A brief description of the manner of storage of the chemical;
- The location of the chemical at the facility; and
- An indication of whether the owner elects to withhold location information from disclosure to the public.

Because many SERCs have added requirements or incorporated the Federal contents in their own forms, Tier I/II forms should be obtained from the SERC. Section 312 information must be submitted on or before March 1 each year. The information submitted under sections 311 and 312 is available to the public from LEPCs and SERCs.

In 1999, EPA excluded gasoline held at most retail gas stations from EPCRA 311/312 reporting. EPA estimates that about 550,000 facilities are now covered by EPCRA 311/312 requirements.

Reporting Schedules	
Section 311	Emergency and Hazardous Chemical Inventory Form
312	Emergency and Hazardous Chemical Inventory Form
313	Emergency and Hazardous Chemical Inventory Form
314	Emergency and Hazardous Chemical Inventory Form
315	Emergency and Hazardous Chemical Inventory Form
316	Emergency and Hazardous Chemical Inventory Form
317	Emergency and Hazardous Chemical Inventory Form
318	Emergency and Hazardous Chemical Inventory Form
319	Emergency and Hazardous Chemical Inventory Form
320	Emergency and Hazardous Chemical Inventory Form

What is the Toxics Release Inventory (Section 313)?

EPCRA section 313 (commonly referred to as the Toxics Release Inventory or TRI) requires certain facilities (see box) to complete a Toxic Chemical Release Inventory Form annually for specified chemicals. The form must be submitted to EPA and the State on July 1 and cover releases and other waste management of toxic chemicals that occurred during the preceding calendar year. One purpose of this reporting requirement is to inform the public and government officials about releases and other waste management of toxic chemicals. The following information is required on the form:

- The name, location and type of business;
- Whether the chemical is manufactured (including importation), processed, or otherwise used and the general categories of use of the chemical;
- An estimate (in ranges) of the maximum amounts of the toxic chemical present at the facility at any time during the preceding year;
- Quantity of the chemical entering the air, land, and water annually;
- Off-site locations to which the facility transfers toxic chemicals in waste for recycling, energy recovery, treatment or disposal; and
- Waste treatment/disposal methods and efficiency of methods for each waste stream;

In addition, the Pollution Prevention Act of 1990 requires collection of information on source reduction, recycling, and treatment. EPA maintains a national TRI database, available on the Internet (see the Where Can I Find EPCRA Information? section for further details).

What Else Does EPCRA Require?

Trade Secrets. EPCRA section 322 addresses trade secrets as they apply EPCRA sections 303, 311, 312, and 313 reporting; a facility cannot claim trade secrets under section 304 of the statute. Only chemical identity may be claimed as a trade secret, though a generic class for the chemical must be provided. The criteria a facility must meet to claim a chemical identity as a trade secret are in 40 CFR part 350. In practice, less than one percent of facilities have filed such claims.

Even if chemical identity information can be legally withheld from the public, EPCRA section 323 allows the

Who's Covered by TRI?

The TRI reporting requirement applies to facilities that have either manufactured, processed, or otherwise used (including importation) specified toxic chemicals in excess of established thresholds during the preceding calendar year. The following are covered:

- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(1)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(2)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(3)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(4)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(5)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(6)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(7)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(8)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(9)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(10)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(11)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(12)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(13)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(14)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(15)).
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- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(99)).
- Manufacturing, processing, or otherwise using specified chemicals in excess of thresholds (EPCRA section 313(a)(100)).

information to be disclosed to health professionals who need the information for diagnostic and treatment purposes or local health officials who need the information for prevention and treatment activities. In non-emergency cases, the health professional must sign a confidentiality agreement with the facility and provide a written statement of need. In medical emergencies, the health professional, if requested by the facility, provides these documents as soon as circumstances permit.

Any person may challenge trade secret claims by petitioning EPA. The Agency must then review the claim and rule on its validity.

EPCRA Penalties. EPCRA Section 325 allows civil and administrative penalties ranging up to \$10,000-\$75,000 per violation or per day per violation when facilities fail to comply with the reporting requirements. Criminal penalties up to \$50,000 or five years in prison apply to any person who knowingly and willfully fails to provide emergency release notification. Penalties of not more than \$20,000 and/or up to one year in prison apply to any person who knowingly and willfully discloses any information entitled to protection as a trade secret.

Citizens Suits. EPCRA section 326 allows citizens to initiate civil actions against EPA, SERCs, and the owner or operator of a facility for failure to meet the EPCRA requirements. A SERC, LEPC, and State or local government may institute actions against facility owner/operators for failure to comply with EPCRA requirements. In addition, States may sue EPA for failure to provide trade secret information.

Where Can You Find EPCRA Information?

MSDSs, hazardous chemical inventory forms, follow-up emergency notices, and the emergency response plan are available from the SERC and LEPC.

MSDSs on hazardous chemicals are maintained by a number of universities and can be accessed through www.hazard.com.

EPA also provides fact sheets and other information on chemical properties through its website: www.epa.gov. EPA has compiled a list of all chemicals covered by name under these regulations into a single list and published them as The Title III List of Lists available at www.epa.gov/swercepp/ds-epds.htm#title3.

Profiles of extremely hazardous substances are available at www.epa.gov/ceppo/ep_chda.htm#ehs

Each year, EPA publishes a report summarizing the TRI information that was submitted to EPA and States during the previous year. In addition, TRI data are available through EPA's Envirofacts database at www.epa.gov/enviro. TRI data are also available at www.epa.gov/tri, www.rtk.net, and www.scorecard.org.

All of these sites can be searched by facility, city, county, and state and provide access to basic TRI emissions data. The RTK-Net site, maintained by the public advocacy group OMB Watch, provides copies of the full TRI form for each facility. The Scorecard site, maintained by the Environmental Defense public advocacy group, ranks facilities, States, and counties on a number of parameters (e.g., total quantities of carcinogens released) as well as maps that show the locations of facilities in a county or city.

Initial emergency release notifications made to the National Response Center or EPA are available on line at www.epa.gov/emsacct/pdf/index.html.

A list of LEPCs and SERCs is available at <http://www.RTK.NET:80/lepc/>.

Many of these sites can also be accessed through www.epa.gov/ceppo/.

Are There Other Laws That Provide Similar Information?

The Oil Pollution Act (OPA) of 1990 includes national planning and preparedness provisions for oil spills that are similar to EPCRA provisions for extremely hazardous substances. Plans are developed at the local, State and Federal levels. The OPA plans offer an opportunity for LEPCs to coordinate their plans with area and facility oil spill plans covering the same geographical area.

The 1990 Clean Air Act Amendments require the EPA and OSHA to issue regulations for chemical accident prevention. Facilities that have certain chemical above specified threshold quantities are required to develop a risk management program to identify and evaluate hazards and manage those hazards safely. Facilities subject to EPA's risk management program rules must submit a risk management plan (RMP) summarizing its program. Most RMP information is available through RMP*Info, which can be accessed through www.epa.gov/enviro.

For More Information

Contact the EPCRA Hotline at:
(800)424-9346 or (703)412-9810
TDD (800)553-7672
Monday - Friday, 9 AM to 6 PM, EST

Visit the CEPPPO Home Page at:
WWW.EPA.GOV/CEPPO/

For EPA EPCRA contacts, check the CEPPPO home page.
For TRI program officials and EPA TRI regional contacts, check www.epa.gov/tri/statecon.htm.



AMENDMENTS TO EMERGENCY PLANNING AND NOTIFICATION; EMERGENCY RELEASE NOTIFICATION AND HAZARDOUS CHEMICAL REPORTING. 40 CFR Parts 355 and 370.

On October 17th, 2008, EPA finalized several changes to the Emergency Planning and Community Right-to-Know Act (EPCRA) regulations (40 CFR Parts 355 and 370). These changes were proposed on June 8, 1998 (63 FR 31268). Facilities subject to these regulations, State Emergency Response Commissions (SERCs), Local Emergency Planning Committees (LEPCs) and fire departments should become familiar with the new regulation.

All sections of 40 CFR Parts 355 and 370 will be in plain language, using a question and answer format.

There are only minor changes to the emergency planning and emergency release notification sections. For hazardous chemical reporting regulations, there are changes regarding the Tier I and Tier II forms, as well as changes in how to report hazardous chemicals in a mixture.

Tier I and Tier II Forms

- The Tier I and Tier II forms and their instructions have been removed from the code of federal regulations (CFR). They may now be found on EPA's Web site: www.epa.gov/emergencies.
- The revised regulation includes a description of the requirements for Tier I and Tier II. Facilities are now required to report their North American Industry Classification System (NAICS) code on the Tier I or Tier II form.
- Also, the chemical or common name of the chemical as provided on the Material Safety Data Sheet must be provided on the Tier II form.

EPA encourages facilities to contact their State to determine whether any additional requirements or formats are required by the State.

Hazardous Chemical Inventory Reporting for Chemicals in Mixtures

- When determining whether the threshold quantity of an **extremely hazardous substance (EHS)** has been met, facilities must include the total quantity of that EHS present in the pure form as well as in any mixture, even if any mixture including the EHS is also being reported as a hazardous chemical.
- For hazardous chemicals that are mixtures and do not contain any **extremely hazardous substance**, facilities have an option when determining whether the threshold quantity is present: (1) add together the quantity present in its pure form and as a component in all mixtures (even if the mixture is also being reported as a hazardous chemical), or (2) consider the total quantity of each mixture separately.

Where can I go for more information?

- Consult our Web site: www.epa.gov/emergencies.
- Sign up for our list serve to receive periodic updates: www.epa.gov/emergencies/newsroom.htm#listservs
- Call the Superfund, TRI, EPCRA, RMP, and Oil Information Center: 800-424-9346 or 703-412-9810; TDD 800-553-7672 or 702-412-3323.

The United States Environmental Protection Agency provides an array of resources, including workshops, training sessions, hotlines, websites and guides, to help small businesses understand and comply with federal and state environmental laws. In addition to helping small businesses understand their environmental obligations and improve compliance, these resources will also help such businesses find cost-effective ways to comply through pollution prevention techniques and innovative technologies.

EPA's Small Business Websites

Small Business Environmental Homepage - www.smallbiz-enviroweb.org

Small Business Gateway - www.epa.gov/smallbusiness

EPA's Small Business Ombudsman - www.epa.gov/sbo or 1-800-368-5888

EPA's Compliance Assistance Homepage

[www.epa.gov/compliance/assistance/
business.html](http://www.epa.gov/compliance/assistance/business.html)

This page is a gateway to industry and statute-specific environmental resources, from extensive web-based information to hotlines and compliance assistance specialists.

EPA's Compliance Assistance Centers

www.assistancecenters.net

EPA's Compliance Assistance Centers provide information targeted to industries with many small businesses. They were developed in partnership with industry, universities and other federal and state agencies.

Agriculture

www.epa.gov/agriculture/

Automotive Recycling

www.ecarcenter.org

Automotive Service and Repair

www.ccar-greenlink.org or 1-888-GRN-LINK

Chemical Manufacturing

www.chemalliance.org

Construction

www.cicacenter.org or 1-734-995-4911

Education

www.campuserc.org

Food Processing

www.fpeac.org

Healthcare

www.hercenter.org

Local Government

www.lgean.org

Metal Finishing

www.nmfrc.org

Paints and Coatings

www.paintcenter.org

Printed Wiring Board Manufacturing

www.pwbrc.org

Printing

www.pneac.org

Ports

www.portcompliance.org

U.S. Border Compliance and Import/Export Issues

www.bordercenter.org

Hotlines, Helplines and Clearinghouses

www.epa.gov/epahome/hotline.htm

EPA sponsors many free hotlines and clearinghouses that provide convenient assistance regarding environmental requirements. Some examples are:

Antimicrobial Information Hotline

info-antimicrobial@epa.gov or
1-703-308-6411

Clean Air Technology Center (CATC) Info-line

www.epa.gov/ttn/catc or 1-919-541-0800

Emergency Planning and Community Right-To-Know Act

[www.epa.gov/superfund/resources/
infocenter/epcra.htm](http://www.epa.gov/superfund/resources/infocenter/epcra.htm) or 1-800-424-9346

EPA Imported Vehicles and Engines Public Helpline

www.epa.gov/otaq/imports or
734-214-4100

National Pesticide Information Center

www.npic.orst.edu/ or 1-800-858-7378

National Response Center Hotline - to report oil and hazardous substance spills

www.nrc.uscg.mil or 1-800-424-8802

Pollution Prevention Information Clearinghouse (PPIC)

www.epa.gov/opptintr/ppic or
1-202-566-0799

Safe Drinking Water Hotline

[www.epa.gov/safewater/hotline/index.
html](http://www.epa.gov/safewater/hotline/index.html) or 1-800-426-4791

Stratospheric Ozone Protection Hotline

www.epa.gov/ozone or 1-800-296-1996

Toxic Substances Control Act (TSCA) Hotline

tsca-hotline@epa.gov or 1-202-554-1404

Wetlands Information Helpline

www.epa.gov/owow/wetlands/wetline.html or 1-800-832-7828

State and Tribal Web-Based Resources

State Resource Locators

www.envcap.org/statetools

The Locators provide state-specific contacts, regulations and resources covering the major environmental laws.

State Small Business Environmental Assistance Programs (SBEAPs)

www.smallbiz-enviroweb.org

State SBEAPs help small businesses and assistance providers understand environmental requirements and sustainable business practices through workshops, trainings and site visits. The website is a central point for sharing resources between EPA and states.

EPA's Tribal Compliance Assistance Center

www.epa.gov/tribalcompliance/index.html

The Center provides material to Tribes on environmental stewardship and regulations that might apply to tribal government operations.

EPA's Tribal Portal

www.epa.gov/tribalportal/

The Portal helps users locate tribal-related information within EPA and other federal agencies.

EPA Compliance Incentives

EPA provides incentives for environmental compliance. By participating in compliance assistance programs or voluntarily disclosing and promptly correcting violations before an enforcement action has been initiated, businesses may be eligible for penalty waivers or reductions. EPA has two such policies that may apply to small businesses:

EPA's Small Business Compliance Policy

www.epa.gov/compliance/incentives/smallbusiness/index.html

This Policy offers small businesses special incentives to come into compliance voluntarily.

EPA's Audit Policy

www.epa.gov/compliance/incentives/auditing/auditpolicy.html

The Policy provides incentives to all businesses that voluntarily discover, promptly disclose and expeditiously correct their noncompliance.

Commenting on Federal Enforcement Actions and Compliance Activities

The Small Business Regulatory Enforcement Fairness Act (SBREFA) established a SBREFA Ombudsman and 10 Regional Fairness Boards to receive comments from small businesses about federal agency enforcement actions. If you believe that you fall within the Small Business Administration's definition of a small business (based on your North American Industry Classification System designation, number of employees or annual receipts, as defined at 13 C.F.R. 121.201; in most cases, this means a business with 500 or fewer employees), and wish to comment on federal enforcement and compliance activities, call the SBREFA Ombudsman's toll-free number at 1-888-REG-FAIR (1-888-734-3247), or go to their website at www.sba.gov/ombudsman.

Every small business that is the subject of an enforcement or compliance action is entitled to comment on the Agency's actions without fear of retaliation. EPA employees are prohibited from using enforcement or any other means of retaliation against any member of the regulated community in response to comments made under SBREFA.

Your Duty to Comply

If you receive compliance assistance or submit a comment to the SBREFA Ombudsman or Regional Fairness Boards, you still have the duty to comply with the law, including providing timely responses to EPA information requests, administrative or civil complaints, other enforcement actions or communications. The assistance information and comment processes do not give you any new rights or defenses in any enforcement action. These processes also do not affect EPA's obligation to protect public health or the environment under any of the environmental statutes it enforces, including the right to take emergency remedial or emergency response actions when appropriate. Those decisions will be based on the facts in each situation. The SBREFA Ombudsman and Fairness Boards do not participate in resolving EPA's enforcement actions. Also, remember that to preserve your rights, you need to comply with all rules governing the enforcement process.

EPA is disseminating this information to you without making a determination that your business or organization is a small business as defined by Section 222 of the Small Business Regulatory Enforcement Fairness Act or related provisions.



EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT

Guidance on Reporting Options for Sections 311 and 312 and Some Interpretations

Introduction

EPA provided draft guidance in the preamble to the June 8, 1998 proposed rule (63 FR 31268) to streamline the reporting requirements for facilities under sections 311 and 312 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA). The Agency did not propose any regulatory changes, but sought comments on the following reporting options.

1. Underground Storage Tank (UST) Forms to fulfill the requirements for Tier I information under EPCRA section 312;
2. Partnership Programs for joint access to information and streamlined submission of EPCRA sections 311 and 312 reporting. If a single point submission is allowed for facilities, then one agency would receive the information and provide access to the other agencies;
3. Electronic submittal and certification for EPCRA section 312 reporting;
4. Incorporation of previous submissions into EPCRA section 312 reporting;
5. Electronic access to facility Material Safety Data Sheet (MSDS) database; and
6. EPCRA section 312 reporting to fulfill reporting requirements under section 311.

EPA is now providing guidance on these reporting options. The objective for this guidance is also to provide state and local agencies with flexibility in implementing sections 311 and 312 of EPCRA.

Who is Affected by this Guidance and Interpretation?

Entities that will be affected include those organizations and facilities subject to sections 302, 304, 311 and 312 of EPCRA and the implementing regulations found in 40 CFR parts 355 and 370.

EPA's Decision on These Proposed Options

UST Forms

- Since all states now require facilities to submit a Tier II inventory form or the state equivalent form, this reporting option is no longer useful.

Partnership Programs for Joint Access to Information and Submission of EPCRA 311 and 312 Reporting

- States may implement the Partnership Programs for Joint Access reporting option; however, they must ensure that statutory and regulatory requirements are met. If states choose to implement this option, a formal agreement is necessary between the State Emergency Response Commission (SERC), Local Emergency Planning Committee (LEPC), and fire department. States should then notify the facilities about this agreement and the new submission process.
- States must also meet the March 1 reporting deadline, as specified in the statute.

Electronic Submittal and Certification for EPCRA Section 312 Reporting

- States may require facilities to submit information using Tier2 Submit, the federal electronic reporting format, or the state equivalent electronic reporting format. If facilities do not have the capability to file information electronically, states should allow these facilities to submit paper copies of the Tier II report.
- The original signature requirement in 40 CFR 370.41 and 370.42 could be met by providing the certification statement on paper or by any electronic certification established by the state and local agencies.

Incorporation of Previous Submissions into EPCRA Section 312 Reporting

- Facilities are required to submit a Tier I form or, if requested, a Tier II form annually to the SERC, LEPC, and the fire department, even if the information from the previous year has not changed. Most states have established electronic reporting or are using Tier2 Submit software developed by EPA. Therefore, the burden for facilities to re-create information on paper does not exist for most facilities.
- States may adopt this reporting option for those facilities that submit section 312 information on paper.

Electronic Access to Facility MSDS Database

- Section 311 of EPCRA requires facilities to submit MSDSs for hazardous chemicals that meet or exceed the reporting thresholds to the SERC, LEPC, and the fire department. The Agency suggested electronic submission of MSDSs or providing access to facilities' MSDS database to reduce the burden on the regulated community and reduce the information management burden on implementing agencies.
- Due to security concerns and several entities lacking access to computers or on-line systems, EPA has rejected this reporting option.

EPCRA Section 312 Reporting to Fulfill Reporting Requirements under Section 311

- This reporting option is only beneficial to those facilities that acquire a new chemical between October 1 and December 31 of any given calendar year.
- States may implement this reporting approach ensuring that facilities comply with section 312 three months after acquiring a new chemical.

What are the Interpretations of Emergency Release Notification and Hazardous Chemical Exemption for solids?

The Agency is also providing new interpretations and revising existing interpretations to help facilities comply with certain requirements under EPCRA.

Emergency Release Notification

- Under EPCRA section 304, facilities may have up to 30 days to submit a written follow-up report to state and local agencies. States may implement more rigorous requirements.

Hazardous Chemical Exemption for Solids under EPCRA Section 311 (e)(2)

- Facilities would only have to count the amount of fume or dust given off a piece of metal, brick, or any other manufactured solid item that undergoes a modification process. States may implement more rigorous requirements.

Where Do I Go For More Information?

For more information on this guidance, please visit the Office of Emergency Management Web site: <http://www.epa.gov/emergencies/>.

ATTACHMENT 11

Dominion Cove Point LNG, LP Company Information

Dominion Cove Point LNG, LP
2100 Cove Point Road, Lusby, MD 20657
Web Address: www.dom.com



3

Standard Industrial Classification (SIC) Code:	4922
North American Industry Classification System (NAICS) Code:	486210
Year Business began operations:	April, 1978
Year and state of incorporation:	1993, Delaware
Number of employees	98
Branch Locations:	None
Headquarters or parent offices	2100 Cove Point Rd Lusby, MD 20657
Annual sales figures for the most recent fiscal year	Revenue 281.5 million
Company officials:	
Dominion Cove Point, LNG, LP is operated by a general partner Dominion Cove Point LNG Company LLC.	
The officers for this organization are as follows:	
President	Gary Sypolt
Senior Vice President	Diane Leopold

ATTACHMENT 12

Dominion Cove Point LNG, LP Corporate Hierarchy

Dominion Cove Point, LNG, LP

Corporate Hierarchy

Dominion Cove Point LNG, LP is operated by a general partner Dominion LNG Company, LLC.

Dominion LNG Company, LLC is under Dominion Cove Point, Inc

Dominion Cove Point, Inc is under Dominion Resources, Inc

The officers for Dominion LNG Company LLC

(The operating general partner of Dominion Cove Point LNG, LP)

President Gary Sypolt

Senior Vice President Diane Leopold

ATTACHMENT 13

Facility Acreage Summary

Dominion Cove Point LNG, LP

Facility Acreage

Using the aerial photograph provided during the meeting

Total acreage:

1017.91 acres Includes the yellow and blue boundary lines

Plant industrial acreage:

317.77 acres Includes the area within the green boundary line

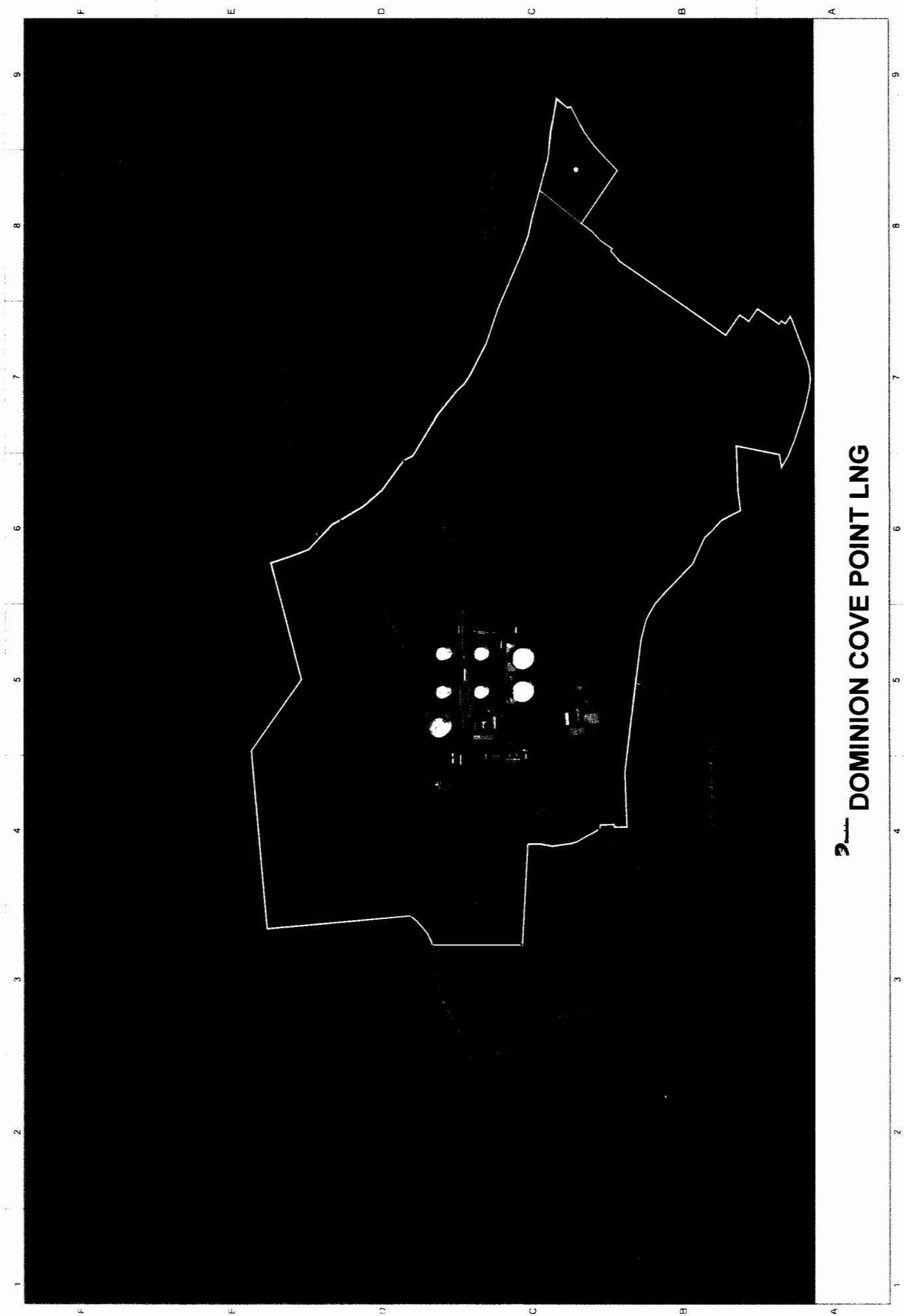
Property inside fence line:

130.13 acres

Dominion Cove Point LNG, LP
CERCLA Section 103 and EPCRA Sections 302 - 312 Inspection Report
Case No. 03-MD-2013-021

ATTACHMENT 14

Facility Map



Dominion Cove Point LNG, LP
CERCLA Section 103 and EPCRA Sections 302 - 312 Inspection Report
Case No. 03-MD-2013-021

ATTACHMENT 15

July 10, 2008 EPCRA Section 302 and 303 Submission

6

Dominion Cove Point LNG, LP
2100 Cove Point Road, Lusby, MD 20657-4612



July 10, 2008

BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED

7003 3110 0002 6103 9590

MDE-TARSA
Community Right-to-Know Section
1800 Washington Boulevard, Suite 540
Baltimore, MD 21230-1718

RE: Dominion Cove Point LNG, LP; Emergency Planning Notification

Dear Sir or Madam:

In response to your letter of June 27, 2008, enclosed is our completed Emergency Planning Notification Form. As indicated on this form, the Cove Point LNG Terminal maintains one chemical product classified as an Extremely Hazardous Substance (EHS) above the threshold planning quantity (TPQ) under Emergency Planning and Community Right-to-Know Act (EPCRA) regulations.

As stated in our annual Tier II Emergency and Hazardous Chemical Inventory Reports submitted to you and to our Local Emergency Planning Committee (LEPC), we store sulfuric acid above the 1,000-pound TPQ. Currently, we have approximately 2,100 pounds of sulfuric acid on-site, which is contained in 584 gallons of battery acid solution. This battery acid solution is stored in dozens of sealed lead-acid batteries located throughout our 130-acre on-shore terminal site, as well as the offshore pier.

Although we do not believe that our battery acid poses any environmental or safety risk to our employees or to the community, we will gladly participate in any environmental planning deemed necessary by our Local Environmental Planning Committee, the Calvert County LEPC.

By copy of this letter, we are notifying the LEPC of the presence of this EHS. I will be the Emergency Coordinator contact for the LEPC for any additional planning and coordination that may be needed.

MDE-SSA
Emergency Planning Notification
July 10, 2008
Page 2

If you have any questions or need additional information, please call Jim Levin, our environmental engineer, at (410) 286-5136.

Sincerely,



Michael E. Gardner
Manager, LNG Operations

Enclosure

cc: Mr. Robert Fenwick, Director
Calvert County LEPC
C/O Calvert County Division of Emergency Management
175 Main Street
Prince Frederick, Maryland 20678

BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED

7003 3110 0002 6103 9606

MARYLAND DEPARTMENT OF THE ENVIRONMENT
COMMUNITY RIGHT-TO-KNOW SECTION
SARA TITLE III – SECTION 302
EMERGENCY PLANNING NOTIFICATION

Facility Name: Dominion Cove Point LNG, LP

Facility EPSC Number: 4049

Facility Address: 2100 Cove Point Road

City: Lusby

Zip Code: 20657-4612

County: Calvert

Facility Emergency Coordinator: Michael E. Gardner

Emergency Coordinator Telephone: (410) 286-5136

Emergency Coordinator Address (if different from facility address): N/A

CHECK ONE:

☐ I have determined that the above facility **does not** have on site an Extremely Hazardous Substance as defined by SARA Title III above the threshold planning quantity and, therefore, is **not** subject to section 302 of the law.

☒ I have determined that the above facility **does** have on site an Extremely Hazardous Substance as defined by SARA Title III, sulfuric acid, above the threshold planning quantity, and therefore is subject to section 302 of the law. In accordance with the law, the owner or operator of this facility shall: (1) inform the Local Emergency Planning Committee (LEPC) of any changes occurring at this facility that might be relevant to emergency planning; and (2) upon request of the LEPC, promptly provide to the LEPC any information necessary for development or implementation of the local emergency plan.

Michael E. Gardner

Signature

Manager, LNG Operations

Title

July 10, 2008

Date

Please return to:

MDE-SSA
Community Right-To-Know Section
1800 Washington Boulevard, Suite 540
Baltimore, MD 21230
410-537-3800
And
Your LEPC


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Track & Confirm

FAQs

Track & Confirm

Search Results

Label/Receipt Number: 7003 3110 0002 6103 9590
Status: **Delivered**

Your item was delivered at 11:30 AM on July 18, 2008 in BALTIMORE, MD 21230.

[Additional Details >](#) [Return to](#)

Notification Options

Track & Confirm by email

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JUL 17 2008
FEB 10 2008
Here

Sent To MDE-TARSA Community R.T.K.
Street, Apt. No. 1800 Washington Blvd.
or PO Box No. Baltimore, MD 21230-1718
City, State, ZIP+4

PS Form 3800, June 2002

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MDE-TARSA
Community Right-to-Know
1800 Washington Blvd.
Baltimore, MD 21230-1718

COMPLETE THIS SECTION ON DELIVERY

A. Signature [Signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

2. Article Number
(Transfer from service label)

7003 3110 0002 6103 9590

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540


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Search Results

Label/Receipt Number: 7003 3110 0002 6103 9606
Status: Delivered

Your item was delivered at 10:50 AM on July 23, 2008 in PRINCE FREDERICK, MD 20678.

Track & Confirm

Enter Label/Receipt Number.

[Additional Details >](#)

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For delivery information visit our website at www.usps.com	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$
<p>9096 EOT9 2000 DTE E002</p> <p>Postmark Here</p> <p>JUL 17 2008</p>	
<p>Sent To: Mr. Robert Fenwick, Calvert Co. LEPC</p> <p>Street, Apt. No., or PO Box No.: 175 Main St.</p> <p>City, State, ZIP+4: Prince Frederick, MD 20678</p>	
<p>PS Form 3800, June 2002 See Reverse for Instructions</p>	

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Robert Fenwick
Calvert Co. LEPC
175 Main St.
Prince Frederick, MD 20678

2. Article Number
(Transfer from service label)

7003 3110 0002 6103 9606

COMPLETE THIS SECTION ON DELIVERY

- A. Signature
*Pam Stampler ☐ Agent ☐ Addressee
- B. Received by (Printed Name) C. Date of Delivery
P. Stampler
- D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type
☒ Certified Mail ☐ Registered Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.
4. Restricted Delivery? (Extra Fee) ☐ Yes

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

7/24/2008

ATTACHMENT 16

December 15, 2012 through February 17, 2013 Ammonia Slip Data Report Summary

Data Summary Report

Company: Cove Point LNG, L.P.
2100 Cove Point Road
Lusby, MD 20657



Data Group: All Data Groups
Report Name: ~ Tubine Daily NH3 Totals
Start of Report: 12/15/2012 00:00
End of Report: 02/17/2013 23:59

Validation: All Available Data

Group#-Channel#	G9-C2	G22-C2	G35-C2	G59-C2	G69-C2	G84-C2
Long Descrip.	111JA - N	111JB - N	111JC - N	214JA - N	214JB - N	311J - NH
Short Descrip.	3A-NH3mas	3BNH3mass	3C-NH3mas	5A-NH3mas	5B-NH3mas	S-NH3mass
Units	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
Range	0-1000	0-1000	0-1000	0-1000	0-1000	0-1000
12/15/2012 00:00	0.0	35.0	0.0	5.8	0.3	0.0
12/16/2012 00:00	0.0	43.0	0.0	4.7	0.0	0.0
12/17/2012 00:00	53.0	21.6	0.0	4.6	0.0	0.0
12/18/2012 00:00	107.8	0.0	0.0	5.1	0.0	0.0
12/19/2012 00:00	89.9	0.0	0.0	2.9	0.3	0.0
12/20/2012 00:00	107.1	0.0	0.0	2.4	0.0	0.0
12/21/2012 00:00	90.6	0.0	0.0	4.7	0.0	0.0
12/22/2012 00:00	72.9	0.0	0.0	3.9	0.0	0.0
12/23/2012 00:00	68.1	0.0	210.7	5.2	0.0	0.0
12/24/2012 00:00	0.0	0.0	169.7	4.5	0.0	0.0
12/25/2012 00:00	0.0	0.0	162.7	4.2	0.0	0.0
12/26/2012 00:00	0.0	0.0	132.6	5.1	0.0	0.0
12/27/2012 00:00	0.0	0.0	136.6	4.1	0.0	0.0
12/28/2012 00:00	13.4	0.0	285.1	3.7	2.6	0.0
12/29/2012 00:00	0.0	0.0	0.0	0.0	0.0	0.0
12/30/2012 00:00	31.5	0.0	137.4	0.0	3.3	0.0
12/31/2012 00:00	20.8	0.0	186.8	0.0	9.9	0.0
01/01/2013 00:00	0.0	0.0	203.2	0.0	0.0	0.0
01/02/2013 00:00	0.0	0.0	170.2	0.0	0.0	0.0
01/03/2013 00:00	0.0	0.0	97.3	0.0	0.0	0.0
01/04/2013 00:00	0.0	0.0	119.8	0.0	0.0	0.0
01/05/2013 00:00	0.0	0.0	185.9	0.0	0.0	0.0
01/06/2013 00:00	0.0	0.0	188.7	0.0	0.0	0.0
01/07/2013 00:00	0.0	0.0	139.9	0.0	0.0	0.0
01/08/2013 00:00	0.0	0.0	118.7	0.0	0.0	0.0
01/09/2013 00:00	0.0	0.0	131.1	0.0	0.0	0.0
01/10/2013 00:00	0.0	0.0	150.4	0.0	0.0	0.0
01/11/2013 00:00	0.0	0.0	148.8	0.0	0.0	0.0
01/12/2013 00:00	0.0	0.0	238.2	0.0	0.0	0.0
01/13/2013 00:00	60.1	0.0	66.7	0.0	0.0	0.0
01/14/2013 00:00	99.5	0.0	0.0	0.0	0.0	0.0
01/15/2013 00:00	65.0	0.0	0.0	0.0	0.0	0.0
01/16/2013 00:00	99.0	0.0	0.0	0.0	0.0	C.C
01/17/2013 00:00	81.6	21.0	0.0	0.0	0.0	0.0
01/18/2013 00:00	69.1	52.0	0.0	0.0	0.0	C.C
01/19/2013 00:00	113.5	91.8	0.0	0.0	0.6	0.0
01/20/2013 00:00	161.8	135.0	0.0	0.0	0.6	0.0
01/21/2013 00:00	113.7	114.9	0.0	0.0	0.5	0.0
01/22/2013 00:00	75.7	103.8	0.0	0.0	0.0	0.0
01/23/2013 00:00	71.2	101.2	0.0	0.0	0.4	0.0
01/24/2013 00:00	59.0	82.2	0.0	2.2	0.1	20.6

Group#-Channel#	G9-C2	G22-C2	G35-C2	G59-C2	G69-C2	G84-C2
Long Descrip.	111JA - N	111JB - N	111JC - N	214JA - N	214JB - N	311J - NH
Short Descrip.	3A-NH3mas	3BNH3mass	3C-NH3mas	5A-NH3mas	5B-NH3mas	S-NH3mass
Units	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day	lbs/day
Range	0-1000	0-1000	0-1000	0-1000	0-1000	0-1000
<hr/>						
01/25/2013 00:00	53.8	70.7	0.0	4.8	0.0	41.9
01/26/2013 00:00	65.2	68.1	0.0	4.0	0.0	39.3
01/27/2013 00:00	65.2	38.1	0.0	0.0	0.0	40.5
01/28/2013 00:00	81.2	65.4	0.0	0.0	0.0	34.5
01/29/2013 00:00	111.7	75.5	0.0	0.0	0.0	30.1
01/30/2013 00:00	130.7	92.2	0.0	6.4	0.0	0.0
01/31/2013 00:00	103.9	100.8	0.0	6.6	0.0	0.0
02/01/2013 00:00	75.8	103.4	0.0	6.6	0.0	0.0
02/02/2013 00:00	69.1	92.0	0.0	6.0	0.0	0.0
02/03/2013 00:00	29.6	42.7	0.0	2.0	0.0	0.0
02/04/2013 00:00	57.6	51.6	0.0	1.8	5.3	0.0
02/05/2013 00:00	76.8	0.0	0.0	0.0	0.0	0.0
02/06/2013 00:00	71.9	0.0	0.0	0.0	0.0	0.0
02/07/2013 00:00	71.1	0.0	0.0	0.0	0.0	0.0
02/08/2013 00:00	59.2	0.0	0.0	0.0	0.0	0.0
02/09/2013 00:00	64.0	0.0	0.0	0.0	0.0	0.0
02/10/2013 00:00	72.1	0.0	0.0	0.0	0.0	0.0
02/11/2013 00:00	101.3	0.0	0.0	0.0	0.0	0.0
02/12/2013 00:00	97.4	0.0	0.0	0.0	0.0	0.0
02/13/2013 00:00	72.7	0.0	0.0	0.0	0.0	0.0
02/14/2013 00:00	24.7	0.0	0.0	0.0	5.9	9.4
02/15/2013 00:00	0.0	0.0	0.0	0.0	6.8	44.5
02/16/2013 00:00	0.0	0.0	0.0	0.0	10.6	50.0
02/17/2013 00:00	0.0	0.0	0.0	0.0	11.3	45.3
<hr/>						
Period Average =	50.5	24.6	52.0	1.6	0.9	5.5
Period Max Value =	161.8	135.0	285.1	6.6	11.3	50.0
Period Min Value =	0.0	0.0	0.0	0.0	0.0	0.0
Period Totals =	3.2793E+3	1.6020E+3	3.3805E+3	1.0130E+2	5.8500E+1	3.5610E+2
Period % Recovery =	100.0	100.0	100.0	100.0	100.0	100.0

ATTACHMENT 17

Ammonia Slip Calculations

Cove Point LNG LP
Ammonia Slip Calculations - GE Frame 3 GTG's
NH3Mass - $A * B * C$ (Lbs)

A - NH3Rate
B - MMTBU
C - Hour Run Pctg

NH3Rate - $(0.4419/10000000) * A * B * (20.9/(20.9 - C))$ (lbs/MMBTU)

A - NH3 Slip
B - Const
C - O2 Outlet

NH3 Slip - $A - (B - C)$ (ppm)

A - InHN3
B - NOxIN
C - NOxOut

InNH3 - $A * B * C * D / (E / 1000)$ (ppm)
--

A - NH3 GPH
B - NH3 SpecGrav
C - NH3 %
D - Conv Const
E - Stack Flow

Stack Flow - $A * B * (20.9 / ((20.9 - C) / 1000))$ (kscfh/hr)
--

A - Const
B - MMTU (FF * BTU)/1000000
C - O2 Outlet

MMBTU - $(A * B) / 1000$ (MMBTU)

A - Fuel Flow MSCFH
B - Fuel BTU

Cove Point LNG LP

GE Frame 5 GTG's

NH3Mass - $A * B * C$ (lbs)

A - NH3Rate

B - MMTBU

C - Hour Run Pctg

NH3Rate - $(0.4419/10000000) * A * B * (20.9/(20.9 - C))$ (lbs/MMBTU)

A - NH3 Slip

B - Const

C - O2 Outlet

NH3 Slip - $A - B$ (ppm)

A - ANOx

B - NOx

MMBTU - $(A * B) / 1000$ (MMBTU)

A - Fuel Flow MSCFH

B - Fuel BTU

Cove Point LNG LP
Solar GTG

NH3Mass - $A * B * C$ (lbs)

A - NH3Rate
B - MMTBU
C - Hour Run Pctg

NH3Rate - $(0.4419/10000000) * A * B * (20.9/(20.9 - C))$ (lbs/MMBTU)

A - NH3 Slip
B - Const 8710
C - O2 Outlet

NH3 Slip - $A - (B - C)$ (ppm)

A - InHN3
B - NOxIN
C - NOxOut

InNH3 - $((A * (B / 100) * (10.73 * 530) / 17.03) / 14.7) / (C * 1000) * 1000000$ (ppm)

A - NH3 lbs/hr
C - NH3 % 19
E - Stack Flow

Stack Flow - $A * B * (20.9 / ((20.9 - C) / 1000))$ (kscf/hr)

A - Const 8710
B - MMTBU (FF * BTU)/1000000
C - O2 Outlet %

MMBTU - $(A * B) / 1000$ (MMBTU)

A - Fuel Flow MSCFH
B - Fuel BTU

ATTACHMENT 18

July 15, 2013 Response to an Additional Information Request

Dominion Cove Point LNG, LP
Responses to EPA's follow up questions regarding Continuous Release Report
for ammonia (CR-ERNS 1038884)
7/15/13

1. After December 15, 2012 was the ammonia slip data received and reviewed daily? If not at what frequency was the ammonia slip data received and reviewed?

During the period from December 15, 2012 to February 19, 2013 (the date the telephone notification of the continuous release of ammonia was made), data from the CEMS was available electronically on a daily basis and reviewed at least weekly if not more often. After CEMS data showed numbers above the 100 lb/day threshold, we immediately began evaluating the accuracy of the input data for the ammonia slip calculations. As there was no physical evidence that tended to support this initial ammonia slip data, we focused during this time on validating the input data.

2. Provide a timeline for the work performed to verify that the ammonia slip data was accurate.

Oct 2012 -- Facility self-assessment determined that monitors could provide data for calculation of ammonia slip. Dominion initiated request for assistance from CEMS vendor.

Dec 2, 2012 -- Cove Point's vendor discovered an ammonia reagent flow rate problem. The signal range of the ammonia reagent flow meter did not match the signal range of the CEMS data acquisition handling system (DAHS) logic controller. Because the signal range mismatch causes the DAHS to assign a different ammonia reagent flow value into the ammonia slip equation other than what the flow meter is actually measuring, this resulted in the calculation of an incorrect ammonia slip value.

Dec 9-13, 2012 -- Cove Point's DAHS program vendor verified the ammonia reagent flow signal values and matched the DAHS input signal to the ammonia reagent flow meter output signal and then verified the ammonia slip calculations.

Dec 15, 2012 -- Flow monitor inputs tied back into DAHS. Cove Point staff then began evaluating precision and accuracy of ammonia slip calculations. Without any physical evidence of an ammonia release by either visual or odor observations, questions remained throughout the ensuing weeks regarding the presence or magnitude of ammonia slip releases and the meaning of the data.

Dec 30, 2012 -- A flow span upper range limit in the DAHS ammonia slip calculation was discovered to be limiting the ammonia slip values. The limit in the calculation was removed and the slip numbers were recalculated.

Jan 3 - Feb 19, 2013 -- Cove Point staff worked with Dominion Virginia Power's Fossil and Hydro Emission Monitoring Support Group (EMSG) to evaluate input data for potential errors. This included review of aqueous ammonia flow, verification of the inlet NOx certification, review of frame 3 turbines SCR install records, and review of the ammonia calculations.

3. On what date and time was it apparent to the facility that the ammonia slip data was accurate and a release of ammonia from the SCRs was periodically occurring above the one hundred pound threshold?

In the afternoon of February 19, 2013.

4. Does Dominion Resources, Inc. (or a subsidiary) operate a facility in EPA Region 3 that reports a continuous release of ammonia from a NOx reduction source? If so please provide the facility name and Continuous Release – Emergency Response Notification System (CR-ERNS) number for the releasing facilities.

The following Dominion Virginia Power facilities provided initial notifications for continuous releases of ammonia from NOx control SCRs in 2004:

Mt. Storm Power Station (WV), Units 1, 2, 3; CR-ERNS No. 625548, June 17, 2004
Chesapeake Energy Center (VA), Units 1, 2, 3, 4; CR-ERNS No. 625614, June 17, 2004
Clover Power Station (VA), Units 1, 2; CR-ERNS No. 725418, June 18, 2004
Possum Point Power Station (VA), Units 6A, 6B, CR-ERNS No. 625594, July 15, 2004

In 2005, annual follow up reports were submitted for the Chesapeake Energy Center and the Possum Point Power Station. Dominion Virginia Power withdrew its continuous release reports for Mt. Storm Power Station and Clover Power Station because it was later determined that wet scrubbers used for sulfur dioxide control at these facilities absorbed ammonia such that slip emissions were deemed well below the 100 lb reporting threshold. Ammonia captured by the scrubbers is eventually discharged pursuant to Clover's and Mt. Storm's NPDES permits.

5. Please provide a written methodology and formulas used to perform the ammonia slip release calculations from the data that was received from December 15, 2012 through February 17, 2013. Please include what inputs were fixed (i.e. the facility has knowledge immediately) and which inputs were variable (i.e. fluctuated and the facility needed to determine hard data before proceeding).

The ammonia slip calculation formulas are provided in Attachments 1, 2 and 3. The inputs to these formulas are automatic from the CEMS analyzers and the plant distributed control system (DCS). As noted above in our response to question 2, however, there were concerns about the accuracy of some the variable inputs. The constants and variables to the ammonia slip formulas are as follows:

Constants (Fixed)

Aqueous Ammonia NH3 percentage – 19.0%,
Standard constants for natural gas combustion.

Variables

Fuel BTU content
Fuel flow
Catalyst Inlet NOx
Catalyst Outlet NOx
Outlet O2
Aqueous Ammonia Flow

6. Please provide a written methodology and formulas used to perform the ammonia slip release calculations to determine the upper limit boundary for each of the six (6) SCR's.

The upper limit boundary for each turbine was calculated using the 2012 Calendar Year hourly average data from the facility's software (PI historian database). Daily and maximum ammonia slip values were then calculated in Excel using the DAHS ammonia slip formulas in Attachments 1, 2 and 3.

Attachment 1

Cove Point LNG LP		
Ammonia Slip Calculations - GE Frame 3 111Js GTG's		
<u>NH3Mass - A * B * C (Lbs)</u>		
A - NH3Rate		
B - MMTBU		
C - Hour Run Pctg		
<u>NH3Rate - (0.4419/10000000) * A * B * (20.9/(20.9 - C)) (lbs/MMBTU)</u>		
A - NH3 Slip		
B - Const		8710
C - O2 Outlet		
<u>NH3 Slip - A - (B - C) (ppm)</u>		
A - InHN3		
B - NOxIN		
C - NOxOut		
<u>InNH3 - A * B * C * D / (E / 1000) (ppm)</u>		
A - NH3 GPH		
B - NH3 SpecGrav		0.93
C - NH3 %		19
D - Conv Const		1.887
E - Stack Flow		
<u>Stack Flow - A * B * (20.9 / ((20.9 - C) / 1000)) (kscfh/hr)</u>		
A - Const		
B - MMTBU (FF * BTU)/1000000		8710
C - O2 Outlet		
<u>MMBTU - (A * B) / 1000 (MMBTU)</u>		
A - Fuel Flow MSCFH		
B - Fuel BTU		

Attachment 2

Cove Point LNG LP GE Frame 5 214Js GTG's

NH3Mass - A * B * C (lbs)

A - NH3Rate

B - MMTBU

C - Hour Run Pctg

NH3Rate - (0.4419/10000000) * A * B * (20.9/(20.9 - C)) (lbs/MMBTU)

A - NH3 Slip

B - Const

8710

C - O2 Outlet

NH3 Slip - A - B (ppm)

A - ANOx

B - NOx

MMBTU - (A * B) / 1000 (MMBTU)

A - Fuel Flow MSCFH

B - Fuel BTU

Attachment 3

Cove Point LNG LP Solar 311J GTG	
<u>NH3Mass - A * B * C (lbs)</u>	
A - NH3Rate	
B - MMTBU	
C - Hour Run Pctg	
<u>NH3Rate - (0.4419/10000000) * A * B * (20.9/(20.9 - C)) (lbs/MMBTU)</u>	
A - NH3 Slip	
B - Const	8710
C - O2 Outlet	
<u>NH3 Slip - A - (B - C) (ppm)</u>	
A - InHN3	
B - NOxIN	
C - NOxOut	
<u>InNH3 - ((A * (B / 100) * (10.73 * 530) / 17.03) / 14.7) / (C * 1000) * 1000000 (ppm)</u>	
A - NH3 lbs/hr	
C - NH3 %	19
E - Stack Flow	
<u>Stack Flow - A * B * (20.9 / ((20.9 - C) / 1000)) (kscf/hr)</u>	
A - Const	8710
B - MMTU (FF * BTU)/1000000	
C - O2 Outlet %	
<u>MMBTU - (A * B) / 1000 (MMBTU)</u>	
A - Fuel Flow MSCFH	
B - Fuel BTU	

Dominion Cove Point LNG, LP
CERCLA Section 103 and EPCRA Sections 302 - 312 Inspection Report
Case No. 03-MD-2013-021

ATTACHMENT 19

February 19, 2013 Initial Continuous Release Notification Report

Paul E Dickson (Services - 6)

From: HQS-PF-fldr-NRC@USCG.MIL
Sent: Friday, March 01, 2013 11:57 AM
To: Paul E Dickson (Services - 6)
Subject: NRC#1038884

NATIONAL RESPONSE CENTER 1-800-424-8802

*** For Public Use ***

Information released to a third party shall comply with any applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1038884

INCIDENT DESCRIPTION

*Report taken at 15:37 on 19-FEB-13
Incident Type: CONTINUOUS
Incident Cause: OTHER
Affected Area:
Incident occurred on 19-FEB-13 at 15:34 local incident time.

SUSPECTED RESPONSIBLE PARTY

Organization: DOMINION COVE POINT LNG LP
LUSBY, MD 20657

INCIDENT LOCATION

2100 COVE POINT RD County: CALVERT
City: LUSBY State: MD Zip: 20657
DOMINION COVE POINT LNG LP

RELEASED MATERIAL(S)

DESCRIPTION OF INCIDENT

CALLER STATED THAT THE FACILITY HAS COMBUSTION TURBINES THAT HAVE SCR'S AND THE SCR'S UTILIZE AQUEOUS AMMONIA INJECTION. THIS IS A CONTINUOUS RELEASE REPORT FOR THE AMMONIA IN THE PROCESS. THEY HAVE 3 UNITS THAT ARE SUBJECT TO THIS REGULATION AND THE FIRST ONE PRODUCES 161.8 POUNDS IN 24 HOURS. THE SECOND ONE PRODUCES 135 POUNDS IN 24 HOURS AND THE THIRD ONE PRODUCES 285.1 POUNDS IN 24 HOURS.

INCIDENT DETAILS

Building ID: DOMINION
Type of Fixed Object: OTHER
Power Generating Facility: YES
Generating Capacity:
Type of Fuel: NATURAL
NPDES:
NPDES Compliance: YES
Continuous Release Type: INITIAL
Initial Continuous Release Number: 1038884

Continuous Release Permit: 2400900021

IMPACT

Fire Involved: UNKNOWN Fire Extinguished: UNKNOWN

INJURIES: UNKNOWN Hospitalized: Empl/Crew: Passenger:
FATALITIES: UNKNOWN Empl/Crew: Passenger: Occupant:
EVACUATIONS: UNKNOWN Who Evacuated: Radius/Area:

Damages: UNKNOWN

Closure Type	Description of Closure	Hours Closed	Direction of Closure
--------------	------------------------	--------------	----------------------

Air:

Road: Major Artery: N

Waterway:

Track:

Environmental Impact: UNKNOWN

Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

Release Secured: UNKNOWN

Release Rate:

Estimated Release Duration:

WEATHER

ADDITIONAL AGENCIES NOTIFIED

Federal:
State/Local:
State/Local On Scene:
State Agency Number:

NOTIFICATIONS BY NRC

U.S. EPA III (MAIN OFFICE)
19-FEB-13 16:11
OTHER UNIT (MAIN OFFICE)
01-MAR-13 11:56

ADDITIONAL INFORMATION

CONTINUOUS RELEASE MATERIAL

CHRIS Code: AHM Official Material Name: AMMONIUM HYDROXIDE
Also Known As:
Upper Bounds: 161.8 POUND(S)/DAY

*** END INCIDENT REPORT #1038884 ***

Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT <http://www.nrc.uscg.mil>

ATTACHMENT 20

Continuous Release Initial Notification Notes

2-19-13

(5)

Lisa will not be at Camp Point today

called

OSID Duane King 410 537-4178

excess emission on steam turbine occurred 2/18/13 ¹⁶⁰⁰⁻¹⁷⁰⁰

1 hr Agg. like S.S. limit 5 will include in QH4 report

Michael Reelinger → Veda

cut spray nozzles or add caps

Lisa

as a result

Clay Berr 735-2278

~~messages~~

Mark Rasser info from Clay not a part of incident

Time

Don Donovan discussed Stubby statement

1534

NRC American Release

NR

Report #

Title V permit 24-009-00021

103 SS 86

Power company

NRC Reg

CA# 1356216 Agrees American

John Dierz

Patricia Williams 410-537-3800

reported quarterly breach

30 day letter

may ADMA cc

made state obligation

County LEPC 410-535-1623

MT. Jeffrey Report Ready NRC Report

1600 Robert Linnel 410-517-3600

noting

City Bureau 738 2276

1640 Ramon USCG Pearson USCG Baltimore

called about release expense to her what has happened

ATTACHMENT 21

Average Stack Flow and Temperatures

Paul E Dickson (Services - 6)

From: David S Mellinger (Energy - 2T)
Sent: Saturday, March 02, 2013 1:11 PM
To: Paul E Dickson (Services - 6)
Subject: RE: ammonia info more

Stack flow / stack outlet temps:

	Stack Flow (KSCFH)	Temperature (deg F)
111JA	4982	820
111JB	4998	774
111JC	4959	843
214JA	6853	750
214JB	6747	750
311J	4718	650

From: Paul E Dickson (Services - 6)
Sent: Friday, March 01, 2013 4:40 PM
To: David S Mellinger (Energy - 2T)
Subject: ammonia info more

Can you provide the average stack flow and temperature for each unit. The info you sent Jim

Paul E Dickson, Jr CIH
Environmental Consultant
Dominion Cove Point, LNG
2100 Cove Point Road
Lusby, MD 20657
Paul.E.Dickson@dom.com
Tie 8-758-5136
410 286-5136 (w)
757 536-2156(c)

ATTACHMENT 22

Upper Bound Limit Calculation Results Summary

	111JA	111JB	111JC	214JA	214JB	311J
Maximum	214.3	137.8	687.2	22.6	41.4	59.1
Median	109.7	67.7	306.1	2.9	4.7	27.6
Mode	117.5	80.0	377.5	1.6	4.7	25.0
Average	112.6	57.5	301.8	4.1	7.2	29.5

ATTACHMENT 23

March 18, 2013 Thirty (30) Day Initial Written Continuous Release Notification Report

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com



March 18, 2013

BY UPS NEXT DAY AIR

1Z06W3A20197724771
USEPA, Region 3 (3HW-30)
CR-ERNS Coordinator
Superfund Removal Branch
841 Chestnut Building
Philadelphia, PA 19107

1Z06W3A20198837399
Patricia Williams
MDE-SSA -Community Right to Know
1800 Washington Blvd, Suite 540
Baltimore, MD 21230

1Z06W3A20197724771
Mr. Robert Fenwick, Director
Calvert County LEPC
C/O Calvert County Emergency Management Division
175 Main Street, Courthouse
Prince Frederick, Maryland 20678

RE: Dominion Cove Point LNG, LP: CR-ERNS 1038884 Initial Continuous Release Report

Dear Sir or Madam:

Pursuant to EPA Regulations at 40 CFR 302.8 (CERCLA) and 40 CFR 355.40 (EPCRA) for continuous release reporting of substances that are not federally permitted, Dominion Cove Point LNG, LP ("Dominion") is submitting the required follow-up initial written notification for CR-ERNS No.1038884. Dominion made an initial telephone notification to the National Response Center, the State Emergency Response Commission and the Local Emergency Planning Committees on February 19, 2013, for a continuous release of ammonia from the Dominion Cove Point LNG facility in Lusby, Maryland. This submittal meets the requirement to submit an initial written notification within 30 days of the telephone notification.

As explained below and in the attached report, the release is not an accidental emergency release, but is generally continuous and stable in quantity and rate as defined in 40 CFR 302.8(a) and (b) and 40 CFR 355(a)(2)(iii).

March 18, 2013

Page 2

CR-ERNS 1038884

The Dominion Cove Point LNG facility employs six simple-cycle natural gas turbines for electric generation. Each turbine is equipped with a selective catalytic reduction (SCR) system, which requires injection of ammonia to reduce NOx emissions. As part of a facility self assessment conducted in October 2012, facility staff recognized that emission and flow monitors were in place on each turbine system that could provide data for the calculation of unreacted ammonia (ammonia slip) from the SCRs. (Ammonia slip emissions from the facility are not subject to permit limits or other regulatory controls.) On December 15, 2012, these monitor inputs were tied into the facility's CEMS data acquisition and handling system (DAHS). During the next several weeks, Dominion personnel evaluated the monitoring systems to verify the accuracy and precision of the ammonia slip emissions calculated by the DAHS. On February 19, 2013, Dominion made an initial telephone notification for a continuous release of ammonia, based on the data compiled from the facility's CEMS DAHS since December 15, 2012. That notification included the highest calculated release amounts of ammonia slip during the December-February time period for the three turbines where releases exceeded the RQ of 100 lbs/24 hours.

Attached is Dominion's 30-day continuous release report for ammonia releases from the Cove Point LNG facility. The data provided in section IIC of this report is derived from 2012 historical monitor data collected outside of the facility's CEMS DAHS system. Based on best professional judgment, this data is considered representative. Information for all six turbines is provided in the report, including the actual number of operational days and total calculated ammonia slip emissions from each turbine during 2012. The upper bound limits for each turbine represent the highest calculated value for an operational day during 2012. Accordingly, the statistically significant increase (SSI) trigger identified in section III is the calculated sum of the upper bounds from four of the six operating turbines, which represents the highest expected 24-hour operating scenario for the turbines.

Dominion is undertaking a proactive program to evaluate ammonia slip emissions from the facility and to determine ways to improve the reaction efficiency of the ammonia in the SCR systems. A catalyst evaluation program is currently in place to determine the life span and reactive capability of the catalyst. The facility is also initiating efforts to trend the ammonia slip from each unit to determine when ammonia reagent injection tuning would be beneficial. Dominion has increased awareness of operational changes that may impact the SCRs.

March 18, 2013

Page 3

CR-ERNS 1038884

If you have any questions or require additional information, please contact Paul Dickson at (410) 286-5136 or paul.e.dickson@dom.com.

Sincerely,

A handwritten signature in cursive script, reading "Lisa C. Moerner".

Lisa C. Moerner

Director, Environmental Sustainability and Gas Environmental Services

Enclosures (1)

cc: Paul Dickson

ebc: Pam Faggert
Bill Wilkinson
Mark Reaser
Michael Gardner
Jasmine Scheuring

File: Compliance Reporting/ EPCRA Extremely hazardous Substance Notifications /
Dominion Cove Point

Continuous Release Reporting Form

SECTION I: GENERAL INFORMATION

CR-ERNS Number: 1038884

Date of Initial Release: 02/19/2013

Date of Initial Call to NRC: 02/19/2013

Type of Report: Select from the drop-down list, the type of report that you are submitting

Initial written notification

Signed Statement: I certify that the hazardous substance releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(b) or 355.32 and that all submitted information is accurate and current to the best of my knowledge.

Date

3/15/2013

Name and Position

Mark Reaser / Director

Signature

Mark Reaser

Part A. Facility or Vessel Information

Name of Facility or Vessel: Dominion Cove Point LNG, LP

Person in Charge of Facility or Vessel

Name

Mark Reaser

Position

Director LNG Operations

Phone Number

410 286 5131

Alt Phone No.

443 684 4492

Facility Address or Vessel Port of Registration

Street

2100 Cove Point Rd

County

Calvert

City

Lusby

State

MD

Zip Code

20657

Dun and Bradstreet Number for Facility: 116025180

Facility/Vessel Location

Latitude

Deg

38

Min

23

Sec

3.6

Longitude

Deg

-76

Min

24

Sec

37.9

Vessel LORAN Coordinates

NOTE: Latitude/Longitude information can be obtained at the following websites: <http://www.satsig.net/maps/lat-long-finder.htm>, <http://earth.google.com/>, and <http://www.census.gov/geo/landview/>. Do not use P.O. Box, Rural Route or Mailing Address. Use physical location only.

Part B. Population Information

Population Density

Select from the drop-down list, the range that describes the population density within a one-mile radius of your facility or vessel.

More than 1000

Sensitive Populations and Ecosystems within One-Mile Radius

Sensitive Populations or Ecosystems (e.g., elementary schools, hospitals, retirement communities, or wetlands)

Estimated Distance and Direction from Facility, if Known

See attached sheet table 1

See attached sheet table 1

Attachment

Sensitive Populations and Ecosystems within One-Mile Radius

Dominion Cove Point LNG, LP
2100 Cove Point Road
Lusby MD 20657

CR-ERNS Number 1038884
Continuous Release Report
Initial written notice

Table 1

Area Name	Direction from Facility	Distance from Facility
Webster Ponds	South /South East	.1 mile
Wilbur Pond	East	.1 mile
Cove Point Park	West	.75 mile
Lake Lariat	South /South West	1 mile
Calvert State Cliffs Parks	North /North West	1 mile

No sensitive populations such as elementary schools, hospitals, retirement homes identified within a 1 mile radius of the facility.

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 1038884

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet.

Name of Source:

Turbine 111JA

1. Indicate whether the release from this source is either:

☐ Continuous without interruption

OR

☒ routine, anticipated, intermittent & incidental to normal operations or treatment processes.

Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

2. Provide a brief statement describing the basis for stating that the release is continuous and stable in quantity and rate. If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate given the note above.

This turbine utilizes selective catalytic reduction (SCR) to control emissions of NOx. This process utilizes injected aqueous ammonia as the reagent for the NOx reduction reaction. Inherent to the process, some of the injected ammonia remains unreacted and leaves the exhaust stack as ammonia. This ammonia is called ammonia slip. For each turbine the SCR is put into service promptly after start up when catalyst temperatures reach the required operational temperatures. The SCR remains in service while the turbine is operating. Ammonia injection rates vary with turbine load and are automatically adjusted in response to the stack outlet NOx analyzer. During the operation of the turbine with SCR, ammonia slip will occur. Factors that influence the amount of slip are the operating load of the unit and the magnitude and number of load changes. The number of turbines in operation and the electrical generation rate of each is directly related to the power demands of the facility. Based on the operations of the SCR during turbine operations the ammonia release from the turbine stack is considered routine, anticipated, and intermittent.

3. Identify below how you established the pattern or release and calculated release estimates.

☒ Release data ☐ Knowledge of Operating Procedures ☐ Engineering estimate ☒ Best Professional judgment

Other - As part of a facility self assessment, the pattern of the release and release estimates were determined by calculations from electronic data records generated from turbine NOx emission analyzers, ammonia reagent flow meters, fuel flow meters, and fuel gas chromatographs. As of December 15, 2012 this data calculation is being performed by the facilities CEMS DAHS unit.

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 1038884

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet.

Name of Source: Turbine 111J8

1. Indicate whether the release from this source is either:

☐ Continuous without interruption

OR

☒ routine, anticipated, intermittent & incidental to normal operations or treatment processes.

Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

2. Provide a brief statement describing the basis for stating that the release is continuous and stable in quantity and rate. If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate given the note above.

This turbine utilizes selective catalytic reduction (SCR) to control emissions of NOx. This process utilizes injected aqueous ammonia as the reagent for the NOx reduction reaction. Inherent to the process, some of the injected ammonia remains unreacted and leaves the exhaust stack as ammonia. This ammonia is called ammonia slip. For each turbine the SCR is put into service promptly after start up when catalyst temperatures reach the required operational temperatures. The SCR remains in service while the turbine is operating. Ammonia injection rates vary with turbine load and are automatically adjusted in response to the stack outlet NOx analyzer. During the operation of the turbine with SCR, ammonia slip will occur. Factors that influence the amount of slip are the operating load of the unit and the magnitude and number of load changes. The number of turbines in operation and the electrical generation rate of each is directly related to the power demands of the facility. Based on the operations of the SCR during turbine operations the ammonia release from the turbine stack is considered routine, anticipated, and intermittent.

3. Identify below how you established the pattern or release and calculated release estimates.

☒ Release data ☐ Knowledge of Operating Procedures ☐ Engineering estimate ☒ Best Professional judgment

Other - As part of a facility self assessment, the pattern of the release and release estimates were determined by calculations from electronic data records generated from turbine NOx emission analyzers, ammonia reagent flow meters, fuel flow meters, and fuel gas chromatographs. As of December 15, 2012 this data calculation is being performed by the facilities CEMS DAHS unit.

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 1038884

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet.

Name of Source:

Turbine 111JC

1. Indicate whether the release from this source is either:

☐ Continuous without interruption

OR

☒ routine, anticipated, intermittent & incidental to normal operations or treatment processes.

Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

2. Provide a brief statement describing the basis for stating that the release is continuous and stable in quantity and rate. If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate given the note above.

This turbine utilizes selective catalytic reduction (SCR) to control emissions of NOx. This process utilizes injected aqueous ammonia as the reagent for the NOx reduction reaction. Inherent to the process, some of the injected ammonia remains unreacted and leaves the exhaust stack as ammonia. This ammonia is called ammonia slip.

For each turbine the SCR is put into service promptly after start up when catalyst temperatures reach the required operational temperatures. The SCR remains in service while the turbine is operating. Ammonia injection rates vary with turbine load and are automatically adjusted in response to the stack outlet NOx analyzer. During the operation of the turbine with SCR, ammonia slip will occur. Factors that influence the amount of slip are the operating load of the unit and the magnitude and number of load changes. The number of turbines in operation and the electrical generation rate of each is directly related to the power demands of the facility.

Based on the operations of the SCR during turbine operations the ammonia release from the turbine stack is considered routine, anticipated, and intermittent.

3. Identify below how you established the pattern or release and calculated release estimates.

☒ Release data ☐ Knowledge of Operating Procedures ☐ Engineering estimate ☒ Best Professional judgment

Other - As part of a facility self assessment, the pattern of the release and release estimates were determined by calculations from electronic data records generated from turbine NOx emission analyzers, ammonia reagent flow meters, fuel flow meters, and fuel gas chromatographs. As of December 15, 2012 this data calculation is being performed by the facilities CEMS DAHS unit.

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 1038884

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet.

Name of Source:

Turbine 214JA

1. Indicate whether the release from this source is either:

☐ Continuous without interruption

OR

☒ routine, anticipated, intermittent & incidental to normal operations or treatment processes.

Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

2. Provide a brief statement describing the basis for stating that the release is continuous and stable in quantity and rate. If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate given the note above.

This turbine utilizes selective catalytic reduction (SCR) to control emissions of NOx. This process utilizes injected aqueous ammonia as the reagent for the NOx reduction reaction. Inherent to the process, some of the injected ammonia remains unreacted and leaves the exhaust stack as ammonia. This ammonia is called ammonia slip.

For each turbine the SCR is put into service promptly after start up when catalyst temperatures reach the required operational temperatures. The SCR remains in service while the turbine is operating. Ammonia injection rates vary with turbine load and are automatically adjusted in response to the stack outlet NOx analyzer. During the operation of the turbine with SCR, ammonia slip will occur. Factors that influence the amount of slip are the operating load of the unit and the magnitude and number of load changes. The number of turbines in operation and the electrical generation rate of each is directly related to the power demands of the facility.

Based on the operations of the SCR during turbine operations the ammonia release from the turbine stack is considered routine, anticipated, and intermittent.

3. Identify below how you established the pattern or release and calculated release estimates.

☒ Release data ☐ Knowledge of Operating Procedures ☐ Engineering estimate ☒ Best Professional judgment

Other - As part of a facility self assessment, the pattern of the release and release estimates were determined by calculations from electronic data records generated from turbine NOx emission analyzers, ammonia reagent flow meters, fuel flow meters, and fuel gas chromatographs. As of December 15, 2012 this data calculation is being performed by the facilities CEMS DAHS unit.

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 1038884

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet.

Name of Source:

Turbine 214JB

1. Indicate whether the release from this source is either:

☐ Continuous without interruption

OR

☒ routine, anticipated, intermittent & incidental to normal operations or treatment processes.

Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

2. Provide a brief statement describing the basis for stating that the release is continuous and stable in quantity and rate. If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate given the note above.

This turbine utilizes selective catalytic reduction (SCR) to control emissions of NOx. This process utilizes injected aqueous ammonia as the reagent for the NOx reduction reaction. Inherent to the process, some of the injected ammonia remains unreacted and leaves the exhaust stack as ammonia. This ammonia is called ammonia slip. For each turbine the SCR is put into service promptly after start up when catalyst temperatures reach the required operational temperatures. The SCR remains in service while the turbine is operating. Ammonia injection rates vary with turbine load and are automatically adjusted in response to the stack outlet NOx analyzer. During the operation of the turbine with SCR, ammonia slip will occur. Factors that influence the amount of slip are the operating load of the unit and the magnitude and number of load changes. The number of turbines in operation and the electrical generation rate of each is directly related to the power demands of the facility. Based on the operations of the SCR during turbine operations the ammonia release from the turbine stack is considered routine, anticipated, and intermittent.

3. Identify below how you established the pattern or release and calculated release estimates.

☒ Release data ☐ Knowledge of Operating Procedures ☐ Engineering estimate ☒ Best Professional judgment

Other - As part of a facility self assessment, the pattern of the release and release estimates were determined by calculations from electronic data records generated from turbine NOx emission analyzers, ammonia reagent flow meters, fuel flow meters, and fuel gas chromatographs. As of December 15, 2012 this data calculation is being performed by the facilities CEMS DAHS unit.

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 1038884

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet.

Name of Source:

Turbine 311J

1. Indicate whether the release from this source is either:

☐ Continuous without interruption

OR

☒ routine, anticipated, intermittent & incidental to normal operations or treatment processes.

Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

2. Provide a brief statement describing the basis for stating that the release is continuous and stable in quantity and rate. If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate given the note above.

This turbine utilizes selective catalytic reduction (SCR) to control emissions of NOx. This process utilizes injected aqueous ammonia as the reagent for the NOx reduction reaction. Inherent to the process, some of the injected ammonia remains unreacted and leaves the exhaust stack as ammonia. This ammonia is called ammonia slip. For each turbine the SCR is put into service promptly after start up when catalyst temperatures reach the required operational temperatures. The SCR remains in service while the turbine is operating. Ammonia injection rates vary with turbine load and are automatically adjusted in response to the stack outlet NOx analyzer. During the operation of the turbine with SCR, ammonia slip will occur. Factors that influence the amount of slip are the operating load of the unit and the magnitude and number of load changes. The number of turbines in operation and the electrical generation rate of each is directly related to the power demands of the facility. Based on the operations of the SCR during turbine operations the ammonia release from the turbine stack is considered routine, anticipated, and intermittent.

3. Identify below how you established the pattern or release and calculated release estimates.

☒ Release data ☐ Knowledge of Operating Procedures ☐ Engineering estimate ☒ Best Professional judgment

Other - As part of a facility self assessment, the pattern of the release and release estimates were determined by calculations from electronic data records generated from turbine NOx emission analyzers, ammonia reagent flow meters, fuel flow meters, and fuel gas chromatographs. As of December 15, 2012 this data calculation is being performed by the facilities CEMS DAHS unit.

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Name of Source: Turbine 111JA

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

☒ **AIR** If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

☒ **Stack** Indicate stack height in feet or meters

42.5 ft

☐ **SURFACE WATER**

If the release affects any surface water body, give the name of the water body.

☐ **Surface Water Body**

☐ **Stream**

If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.

Stream Order

OR

Average Flow Rate (cubic feet/second)

☐ **Lake**

Surface area of lake (in acres)

Average depth of lake (in meters)

If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

☐ **SOIL OR GROUND WATER**

If the release is on or under ground, the location of public water supply wells within two miles.

Optional Information

The following information is not required to comply with the regulation, however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter (feet or meters)

7.9 ft

Gas Exit Velocity (ft or meters/sec)

4982 KSCFH
annual avg

Gas Temp (degrees, Fahrenheit, Kelvin, Celsius)

820 F
annual avg

For a release to surface water, provide the following information, if available:

Average velocity of surface water (feet/second)

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Name of Source: Turbine 111JB

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a waste pile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

☒ **AIR** If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

☒ **Stack** Indicate stack height in feet or meters

42.5 ft

☐ **SURFACE WATER**

If the release affects any surface water body, give the name of the water body.

☐ **Surface Water Body**

☐ **Stream**

If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.

Stream Order

OR

Average Flow Rate (cubic feet/second)

☐ **Lake**

Surface area of lake (in acres)

Average depth of lake (in meters)

If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

☐ **SOIL OR GROUND WATER**

If the release is on or under ground, the location of public water supply wells within two miles

Optional Information

The following information is not required to comply with the regulation, however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter (feet or meters)

7.9 ft

Gas Exit Velocity (ft or meters/sec)

4982 KSCFH
annual avg

Gas Temp (degrees, Fahrenheit, Kelvin, Celsius)

774 F

annual avg

For a release to surface water, provide the following information, if available:

Average velocity of surface water (feet/second)

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Name of Source: Turbine 111JC

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

☒ **AIR** If the medium affected is air, please also specify whether the source is a **stack** or a ground-based **area source**.

☒ **Stack** Indicate stack height in feet or meters

42.5 ft

☐ **SURFACE WATER**

If the release affects any surface water body, give the name of the water body.

☐ **Surface Water Body**

☐ **Stream**

If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.

Stream Order

OR

Average Flow Rate (cubic feet/second)

☐ **Lake**

Surface area of lake (in acres)

Average depth of lake (in meters)

If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

☐ **SOIL OR GROUND WATER**

If the release is on or under ground, the location of public water supply wells within two miles

Optional Information

The following information is not required to comply with the regulation; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter (feet or meters) 7.9 ft

Gas Exit Velocity (ft or meters/sec)

4959 KSCFH
annual avg

Gas Temp (degrees, Fahrenheit, Kelvin, Celsius)

843 F
annual avg

For a release to surface water, provide the following information, if available:

Average velocity of surface water (feet/second)

Continuous Release Reporting Form

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SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Name of Source: Turbine 214JA

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a waste pile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

☒ **AIR** If the medium affected is air, please also specify whether the source is a **stack** or a **ground-based area source**.

☒ **Stack** Indicate stack height in feet or meters

65.0 ft

☐ **SURFACE WATER**

If the release affects any **surface water body**, give the name of the water body.

☐ **Surface
Water Body**

☐ **Stream**

If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

Stream Order

OR

Average Flow Rate (cubic feet/second)

☐ **Lake**

Surface area of lake (in acres)

Average depth of lake (in meters)

If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

☐ **SOIL OR GROUND WATER**

If the release is on or under ground, the location of public water supply wells within two miles.

Optional Information

The following information is not required to comply with the regulation; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter (feet or meters)

12.0 ft

Gas Exit Velocity (ft or meters/sec)

6853 KSCFH
annual avg

Gas Temp (degrees, Fahrenheit, Kelvin,
Celsius)

750 F
annual avg

For a release to surface water, provide the following information, if available:

Average velocity of surface water (feet/second)

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Name of Source: Turbine 214JB

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

☒ **AIR** If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

☒ **Stack** Indicate stack height in feet or meters

65.0 ft

☐ **SURFACE WATER**

If the release affects any surface water body, give the name of the water body.

☐ **Surface Water Body**

☐ **Stream**

If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.

Stream Order

OR

Average Flow Rate (cubic feet/second)

☐ **Lake**

Surface area of lake (in acres)

Average depth of lake (in meters)

If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

☐ **SOIL OR GROUND WATER**

If the release is on or under ground, the location of public water supply wells within two miles

Optional Information

The following information is not required to comply with the regulation, however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units, however, be certain that the units are clearly identified

For a stack release to air, provide the following information, if available:

Inside diameter (feet or meters)

12.0 ft

Gas Exit Velocity (ft or meters/sec)

6747 KSCFH
annual avg

Gas Temp (degrees, Fahrenheit, Kelvin, Celsius)

750 F
annual avg

For a release to surface water, provide the following information, if available:

Average velocity of surface water (feet/second)

Continuous Release Reporting Form

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Expiration Date: 12-31-2011**SECTION II: SOURCE
INFORMATION**
(continued)

CR-ERNS Number: 1038884

Name of Source: Turbine 311J

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a *SEPARATE* sheet for *EACH* source.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to **EACH** medium as a separate source and complete Section II, Parts A, B, and C, of this format for **EACH** medium affected.

☒ **AIR** If the medium affected is air, please also specify whether the source is a **stack** or a ground-based **area source**.

☒ **Stack** Indicate stack height in feet or meters

50.0 ft

☐ **SURFACE WATER**

If the release affects any **surface water body**, give the name of the water body.

☐ **Surface
Water Body**

☐ **Stream**

If the release affects a **stream**, give the stream order or average flow rate, in cubic feet per second.

Stream Order

OR

Average Flow Rate (cubic feet/second)

☐ **Lake**

Surface area of lake (in acres)

Average depth of lake (in meters)

If the release affects a **lake**, give the surface area of the lake in acres and the average depth in meters

☐ **SOIL OR GROUND WATER**

If the release is on or under **ground**, the location of public water supply wells within two miles.

Optional Information

The following information is not required to comply with the regulation, however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter (feet or meters)

8.0 ft

Gas Exit Velocity (ft or meters/sec)

4718 KSCFH
annual avgGas Temp (degrees, Fahrenheit, Kelvin,
Celsius)650 F
annual avg

For a release to surface water, provide the following information, if available:

Average velocity of surface water (feet/second)

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Part C: Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source.

Name of Source: Turbine 111JA

List each hazardous substance released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Hazardous Substance	CASRN #	Normal Range (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs., kg, or Ci)	Period of the Release
		Upper Bound	Lower Bound			
Ammonia	13346-21-6	214.3 lbs	0 lbs	145 (for 2012)	15984 lbs	All 12 months

List each mixture released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Hazardous Substance		CASRN #	Weight Percentage	Normal Range of Components (in lbs., kg, or Ci per day)		OR	Normal Range of Mixture (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs., kg or Ci)	Period of the Release
				Upper Bound	Lower Bound		Upper Bound	Lower Bound			
Name of Mixture	Components										

Continuous Release Reporting Form

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Part C: Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source.

Name of Source: Turbine 111JB

List each hazardous substance released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Hazardous Substance	CASRN #	Normal Range (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs., kg, or Ci)	Period of the Release
		Upper Bound	Lower Bound			
Ammonia	13346-21-6	137.8 lbs	0 lbs	118 (for 2012)	6608 lbs	All 12 months

List each mixture released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Mixture	Name of Hazardous Substance Components	CASRN #	Weight Percentage	Normal Range of Components (in lbs., kg, or Ci per day)		OR	Normal Range of Mixture (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs., kg or Ci)	Period of the Release
				Upper Bound	Lower Bound		Upper Bound	Lower Bound			

Continuous Release Reporting Form

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SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Part C: Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source.

Name of Source: Turbine 111JC

List each hazardous substance released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci)

Name of Hazardous Substance	CASRN #	Normal Range (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs., kg, or Ci)	Period of the Release
		Upper Bound	Lower Bound			
Ammonia	13346-21-6	687.2 lbs	0 lbs	172 (for 2012)	51306 lbs	All 12 months

List each mixture released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Hazardous Substance		CASRN #	Weight Percentage	Normal Range of Components (in lbs., kg, or Ci per day)		OR	Normal Range of Mixture (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs., kg or Ci)	Period of the Release
				Upper Bound	Lower Bound		Upper Bound	Lower Bound			
Name of Mixture	Components										

Continuous Release Reporting Form

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Part C: Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source.

Name of Source: Turbine 214JA

List each hazardous substance released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Hazardous Substance	CASRN #	Normal Range (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs., kg, or Ci)	Period of the Release
		Upper Bound	Lower Bound			
Ammonia	13346-21-6	22.6	0 lbs	274 (for 2012)	964.9 lbs	All 12 months

List each mixture released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Mixture	Name of Hazardous Substance Components	CASRN #	Weight Percentage	Normal Range of Components (in lbs., kg, or Ci per day)		OR	Normal Range of Mixture (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs., kg or Ci)	Period of the Release
				Upper Bound	Lower Bound		Upper Bound	Lower Bound			

Continuous Release Reporting Form

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Part C: Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source.

Name of Source: Turbine 214JB

List each hazardous substance released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Hazardous Substance	CASRN #	Normal Range (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs., kg, or Ci)	Period of the Release
		Upper Bound	Lower Bound			
Ammonia	13346-21-6	41.4 lbs	0 lbs	113 (for 2012)	315.9 lbs	All 12 months

List each mixture released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Mixture	Name of Hazardous Substance Components	CASRN #	Weight Percentage	Normal Range of Components (in lbs., kg, or Ci per day)		OR	Normal Range of Mixture (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs., kg or Ci)	Period of the Release
				Upper Bound	Lower Bound		Upper Bound	Lower Bound			

Continuous Release Reporting Form

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Expiration Date: 12-31-2011

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 1038884

Part C: Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source.

Name of Source:	Turbine 311J
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List each hazardous substance released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Hazardous Substance	CASRN #	Normal Range (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs., kg, or Ci)	Period of the Release
		Upper Bound	Lower Bound			
Ammonia	13346-21-6	59.1 lbs	0 lbs	97 (for 2012)	2803 lbs	All 12 months

List each mixture released from the source identified above and provide the following information. Include units where appropriate. Radionuclides in curies (Ci).

Name of Mixture	Name of Hazardous Substance Components	CASRN #	Weight Percentage	Normal Range of Components (in lbs., kg, or Ci per day)		OR	Normal Range of Mixture (in lbs., kg, or Ci per day)		Number of Days Release Occurs (per year)	Total Quantity of Mixture Released in Previous Year (in lbs., kg or Ci)	Period of the Release
				Upper Bound	Lower Bound	Upper Bound	Lower Bound				

Continuous Release Reporting Form

Form Approved OMB No. 2050-0086
Expiration Date: 12-31-2011SECTION III: SUBSTANCE
INFORMATION

CR-ERNS Number: 1038884

Calculation of the SSI Trigger

For EACH hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance.

Name of Hazardous Substance:

Ammonia

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

<u>Name of Source(s)</u>	<u>Upper Bound of the Normal Range of the Release (specify lbs., kg., or Ci)</u>
Turbine 111JA	214.3 lbs
Turbine 111JB	137.8 lbs
Turbine 111JC	687.2 lbs
Turbine 214JA	22.6 lbs
Turbine 214 JB	41.4 lbs
Turbine 311J	59.1 lbs

TOTAL - SSI trigger for this hazardous substance release*: 1099 lbs

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

Paul E Dickson (Services - 6)

From: UPS Quantum View [auto-notify@ups.com]
Sent: Tuesday, March 19, 2013 10:52 AM
To: Paul E Dickson (Services - 6)
Subject: UPS Delivery Notification, Tracking Number 1Z06W3A20197724771

UPS My Choice can help you avoid missed home deliveries.

[Learn More](#)

***Do not reply to this e-mail. UPS and Dominion Cove Point will not receive your reply.

At the request of Dominion Cove Point, this notice is to confirm that the following shipment has been delivered.

Important Delivery Information

Tracking Number: 1Z06W3A20197724771

Delivery Date / Time: 19-March-2013 / 10:22 AM

Delivery Location: INSIDE DELIVERY

Signed by: KUSTRA

Shipment Detail

Ship To:

CR-ERNS Coordinator
USEPA, Region 3(3HW-30)
1650 ARCH ST
ROOM 300
PHILADELPHIA
PA
19103
US

Number of Packages: 1

UPS Service: NEXT DAY AIR

Shipment Type: Letter

Reference Number 2: CPOP.OTHER.01

Reference Number 3: CR-ERNS 1038884 Initial continuous

Paul E Dickson (Services - 6)

From: UPS Quantum View [auto-notify@ups.com]
Sent: Tuesday, March 19, 2013 10:52 AM
To: Paul E Dickson (Services - 6)
Subject: UPS Delivery Notification, Tracking Number 1Z06W3A20197724771

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Signed by: KUSTRA

Shipment Detail

Ship To:

CR-ERNS Coordinator
USEPA, Region 3(3HW-30)
1650 ARCH ST
ROOM 300
PHILADELPHIA
PA
19103
US

Number of Packages: 1

UPS Service: NEXT DAY AIR

Shipment Type: Letter

Reference Number 2: CPOP.OTHER.01

Reference Number 3: CR-ERNS 1038884 Initial continuous

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[Contact UPS](#)



Paul E Dickson (Services - 6)

From: UPS Quantum View [auto-notify@ups.com]
Sent: Tuesday, March 19, 2013 10:43 AM
To: Paul E Dickson (Services - 6)
Subject: UPS Delivery Notification, Tracking Number 1Z06W3A20198837399

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[Learn More](#)

***Do not reply to this e-mail. UPS and Dominion Cove Point will not receive your reply.

At the request of Dominion Cove Point, this notice is to confirm that the following shipment has been delivered.

Important Delivery Information

Tracking Number: 1Z06W3A20198837399

Delivery Date / Time: 19-March-2013 / 10:10 AM

Delivery Location: OFFICE

Signed by: SABASA

Shipment Detail

Ship To:

Patricia Williams
MDE-SSA-Community Reight to Know
1800 WASHINGTON BLVD
ROOM E
BALTIMORE
MD
21230
US

Number of Packages: 1

UPS Service: NEXT DAY AIR

Shipment Type: Letter

Reference Number 2: CPOP.OTHER.01

Reference Number 3: CR-ERNS 103884 Initial Continuous

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Paul E Dickson (Services - 6)

From: UPS Quantum View [auto-notify@ups.com]
Sent: Tuesday, March 19, 2013 12:13 PM
To: Paul E Dickson (Services - 6)
Subject: UPS Delivery Notification, Tracking Number 1Z06W3A20197928186

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***Do not reply to this e-mail. UPS and Dominion Cove Point will not receive your reply.

At the request of Dominion Cove Point, this notice is to confirm that the following shipment has been delivered.

Important Delivery Information

Tracking Number: 1Z06W3A20197928186

Delivery Date / Time: 19-March-2013 / 11:41 AM

Delivery Location: RECEIVER

Signed by: HQLLY

Shipment Detail

Ship To:

Mr. Robert Fenwick, Director
Calvert County Emergency Mgmt.
175 MAIN ST
PRINCE FREDERICK
MD
20678
US

Number of Packages: 1

UPS Service: NEXT DAY AIR

Shipment Type: Letter

Reference Number 2: CPOP.OTHER.01

Reference Number 3: CR-ERNS 1038884 Initial Continuous

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**Dominion Cove Point LNG, LP
CERCLA Section 103 and EPCRA Sections 302 - 312 Inspection Report
Case No. 03-MD-2013-021**

ATTACHMENT 24

May 20, 2005 EPCRA Section 311 Submission



May 20, 2005

BY U.S. MAIL, RETURN RECEIPT REQUESTED

Calvert County Emergency Management
175 Main Street
Prince Frederick, MD 20678

RE: Cove Point LNG Terminal; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for any hazardous chemical product stored or used here at Cove Point above a certain threshold. Earlier this month, we received a shipment of ammonium hydroxide solution, also known as aqua ammonia. This is the first time we have received this chemical product. An MSDS sheet for ammonium hydroxide solution is enclosed.

If you have any questions or need additional information, please call me at (410) 286-5136.

Sincerely,

James E. Levin
Environmental Engineer

Enclosure

Cc: M. Gardner

R. Jackson



May 20, 2005

BY U.S. MAIL, RETURN RECEIPT REQUESTED

MDE-TARSA
Community Right-to-Know Section
1800 Washington Boulevard, Suite 540
Baltimore, MD 21230-1718

RE: Cove Point LNG Terminal; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for any hazardous chemical product stored or used here at Cove Point above a certain threshold. Earlier this month, we received a shipment of ammonium hydroxide solution, also known as aqua ammonia. This is the first time we have received this chemical product. An MSDS sheet for ammonium hydroxide solution is enclosed.

If you have any questions or need additional information, please call me at (410) 286-5136.

Sincerely,

James E. Levin
Environmental Engineer

Enclosure

Cc: M. Gardner
R. Jackson



May 20, 2005

BY U.S. MAIL, RETURN RECEIPT REQUESTED

Solomons VFD & Rescue
P.O. Box 189
Solomons, MD 20688

RE: Cove Point LNG Terminal; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for any hazardous chemical product stored or used here at Cove Point above a certain threshold. Earlier this month, we received a shipment of ammonium hydroxide solution, also known as aqua ammonia. This is the first time we have received this chemical product. An MSDS sheet for ammonium hydroxide solution is enclosed.

If you have any questions or need additional information, please call me at (410) 286-5136.

Sincerely,

James E. Levin
Environmental Engineer

Enclosure

Cc: M. Gardner
R. Jackson

PPE for protection against 0-19.9% Aqua Ammonia
Loudoun Compressor Station, Leesburg, VA (and CP LNG)

LaRoche INDUSTRIES INC.

Material Safety Data Sheet #4003
10/01/98

Last Revision

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

CHEMICAL NAME: Ammonium Hydroxide
Hydroxide

TRADE NAMES/SYNONYMS: Aqua Ammonia, Ammonium

PRODUCT CODE: 5B07

MANUFACTURER AND/OR DISTRIBUTOR:

LaRoche Industries Inc.
9300
1100 Johnson Ferry Rd., NE
4963
Atlanta, GA 30342 USA
4643

EMERGENCY TELEPHONE NUMBERS:

Transportation (CHEMTREC): 1-800-424-

Environmental/Health/Safety: 1-800-528-

Customer Service (Toll Free): 1-877-474-

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL	FORMULA	% BY WEIGHT	CAS	OSHA PEL	NIOSH REL / ACGIH TLV	IDLH
Ammonia	NH ₃	5 - 19.9	7664-41-7	50 ppm(TWA)	25 ppm(TWA) 35 ppm(STEL)	300
Aqua Ammonia	NH ₄ OH	100	1336-21-6	-----	-----	-----

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: 1. Colorless liquid with pungent odor 2. Avoid contact with liquid and vapor 3. Not flammable

4. Mixes with water 5. Harmful to aquatic life in very low concentrations 6. Stop discharge if possible

POTENTIAL HEALTH EFFECT - ROUTES OF ENTRY: Inhalation, Skin Contact, Eye Contact, Ingestion

TARGET ORGANS: Eyes, skin and respiratory system

EYE CONTACT: May be severely irritating upon liquid exposure, with mild irritation from fumes.

SKIN CONTACT: High concentrations can cause severe irritation and burns.

INHALATION: The gas can be suffocating and is irritating to the mucous membranes and lung tissue.

INGESTION: Can cause vomiting, nausea and corrosive burns to the esophagus and stomach. The exact nature and intensity of toxic effects following ingestion of varying amounts of strong aqua ammonia solution (e.g. 28%) is unpredictable. The most accepted view is that any amount from one teaspoon or greater can be dangerous if ingested.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Flush with large amounts of water for at least 15 minutes then immediately seek medical aid.

SKIN CONTACT: Immediately flush with large quantities of water for at least 15 minutes while removing clothing. Seek immediate medical aid.

INHALATION: Remove from exposure. If breathing has stopped or is difficult, administer artificial respiration or oxygen as needed. Seek immediate medical aid.

INGESTION: Do not induce vomiting. Have the victim drink large quantities of water if conscious. Immediately seek medical aid.

Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not Applicable

FLAMMABLE LIMITS: 16-25% in air (NH₃)

EXTINGUISHING MEDIA: Water fog or spray for escaping ammonia gas.

SPECIAL FIRE FIGHTING PROCEDURES: The mixture will not burn but escaping gas can burn in the range of 16-25% in air.

Wear full protective clothing and self-contained breathing apparatus in the pressure demand mode.

NFPA HAZARD CLASSIFICATION (Aqua): Not rated by NFPA

NFPA HAZARD CLASSIFICATION (Ammonia): Health: 3 Flammability: 1 Reactivity: 0 (least-0—4-highest)

SECTION 6: ACCIDENTAL RELEASE MEASURES

Releases of 1,000 lb. or more of ammonium hydroxide (aqua ammonia) within 24 hours must be immediately (within minutes)

reported to the National Response Center at 1-800-424-8802, as well as appropriate local and state agencies.

SUGGESTED LOCAL ACTION: Releases will liberate irritating vapors. Spilled liquids should be contained and not washed into

**PPE for protection against 0-19.9% Aqua Ammonia
Loudoun Compressor Station, Leesburg, VA (and CP LNG)**

sewers or ground water. Prevent large quantities from contact with vegetation or waterways. Ammonium hydroxide (aqua ammonia) is a regulated material and reporting of any release may be required. Any release of this material, during the course of loading, transporting, unloading or temporary storage, must be reported to the US DOT as required by 49 CFR 171.15 and 171.16.

SECTION 7: HANDLING AND STORAGE

Store in ventilated containers or pressure vessels away from heat. Open containers cautiously in case of pressure build up.

Zinc, copper and copper alloys such as brass are rapidly corroded by ammonium hydroxide (aqua ammonia).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Respiratory protection approved by NIOSH/MSHA for ammonia must be used when exposure

limits are exceeded. Whether a chemical cartridge respirator or a self-contained breathing apparatus is sufficient for effective

respiratory protection depends on the type and magnitude of exposure.

SKIN PROTECTION: Rubber gloves and rubber or other types of approved protective clothing should be used to prevent skin

contact. A face shield should be used for increased protection from contact with liquid.

EYE PROTECTION: Chemical splash goggles, approved for use with ammonia, must be worn to prevent eye contact with liquid

or vapor. A face shield should be used for increased protection from contact with liquid.

VENTILATION: Local positive pressure and/or exhaust ventilation should be used to reduce vapor concentrations in confined

spaces. Ammonia vapor, being lighter than air, can be expected to dissipate in the upper atmosphere. Ammonia concentrations

may also be reduced by the use of an appropriate absorbent or reactant material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: Approx. 160°F (10% Soln.)
Soln.)(Water=1)

SPECIFIC GRAVITY: 0.96 @ 68°F (10%

MELTING POINT: Approx. 15°F(10% Soln.)

VAPOR DENSITY: 0.60 @ 32°F(Air=1)

SOLUBILITY IN WATER: Complete

PERCENT VOLATILE BY VOLUME: 100%

pH: Approx. 11.6 for 1 N NH₃ Soln.

APPEARANCE: Colorless (pungent) liquid

VAPOR PRESSURE(mmHg): 130 @ 80°F(10% Soln.)

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material generally considered stable. However, heating above ambient temperatures causes the vapor pressure of

ammonia to increase rapidly.

INCOMPATIBILITY(Materials to Avoid): Strong acids. Aqua Ammonia reacts with bromine, chlorine, mercury, silver, silver solder, and hypochlorite (bleach) to form explosive compounds. Avoid use of metals containing copper or zinc.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating and contact of vapors with very hot surfaces may form hydrogen.

The decomposition temperature may be lowered to 575°F by contact with certain metals such as nickel.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY BY INGESTION: Grade 3; Oral Rat, LD₅₀ = 350 mg/kg

Ammonia is a strong alkali and readily damages all body tissues. Ammonia is not a cumulative metabolic poison.

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: 6.25ppm 24hr/Trout/Lethal/Freshwater; 15ppm 48hr/Sunfish/TLM/Tap Water

WATERFOWL TOXICITY: Data not available

BIOCHEMICAL OXYGEN DEMAND: Data not available

FOOD CHAIN CONCENTRATION POTENTIAL: None

SECTION 13: DISPOSAL CONSIDERATIONS

Consult local, state or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers may be contrary to federal, state, and local regulations. For Hazardous Waste Regulations call 1-800-424-9346, the RCRA Hotline.

SECTION 14: TRANSPORT INFORMATION

PPE for protection against 0-19.9% Aqua Ammonia
Loudoun Compressor Station, Leesburg, VA (and CP LNG)

For 5 to 10% Ammonia Solutions

For >10 to 19.9% Ammonia Solutions

Proper shipping name:	Corrosive Liquid, N.O.S. (contains ammonia)	Ammonium Hydroxide
DOT Hazard Class:	8	8
Identification Number:	UN1760	UN2672
Packing Group:	III	III

SECTION 15: REGULATORY INFORMATION

NOTICE: This product is subject to the reporting requirements of SARA (1986, Section 313 of Title III) and 40 CFR Part 370.

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200: Aqua ammonia is a hazardous chemical.

TOXIC SUBSTANCE CONTROL ACT: Ammonium Hydroxide (CAS# 1336-21-6) is listed in the TSCA Inventory.

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (SARA, TITLE III): Section 302 Extremely Hazardous

Substance: Yes (as Ammonia); Section 311/312 Hazardous Categories: Immediate (Acute) Health Hazard;

Section 313 Toxic Chemical: Yes (Ammonia).

CERCLA/SUPERFUND, 40 CFR 117 & 302: This product is 100% Ammonium Hydroxide which if released into the environment

in quantities of 1,000 lb. or more requires notification to the National Response Center in Washington, DC at 1-800-424-8802.

WHMIS: One percent (1%), as ammonia
Carcinogen: No

CALIFORNIA PROPOSITION 65: Reproductive: No

OSHA PROCESS SAFETY MANAGEMENT, 29 CFR 1910.119: This product is not subject to the Process Safety Management requirements of 29 CFR 1910.119.

EPA CHEMICAL ACCIDENTAL RELEASE PREVENTION, 40 CFR PART 68: This product is not subject to the Risk Management Plan requirements of 40 CFR Part 68.

DRINKING WATER: Maximum use dosage in potable water is 10 mg/l.

SECTION 16: OTHER INFORMATION

REASON FOR REVISION: 1. Addition of new Toll Free Customer Service Number in Section 1; 2. Revision to concentration range in Section 2; 3. Addition to DOT Proper Shipping Information in Section 14; 4. Revision to EPCRA Section 302 information in Section 15; and 5. Supersedes MSDS dated 4/15/98

MSDS PREPARED BY: LaRoche industries Inc.'s Corporate Office of Regulatory Affairs.

This information is taken from sources or based upon data believed to be reliable, however, LaRoche Industries Inc. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Solomon VFD
PO Box 189
Solomons, MD 20688

2. Article Number (Copy from service label)

7003 3110 0002 6106 2130

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

Not in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for any hazardous chemical product stored or used here at Cove Point above a certain threshold. Earlier this month, we received a shipment of ammonium hydroxide solution, also known as aqua ammonia. This is the first time we have received this chemical product. An MSDS sheet for ammonium hydroxide solution is enclosed.

If you have any questions or need additional information, please call me at (410) 286-5136.

Sincerely,



James E. Levin
Environmental Engineer

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

6-2-05

C. Signature

X Leigh Ann Landrey ☒ Agent
☐ Addressee

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☒ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

NDE-TARSA
omm Right to know
100 Wash Blvd Ste 540
Bethesda, MD 21230

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

MAY 23 2005

C. Signature

X Charles Cole ☐ Agent
☒ Addressee

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

Article Number (Copy from service label)

7003 3110 0002 6106 2093

Form 3811, July 1999

Domestic Return Receipt

May 20, 2005

BY U.S. MAIL, RETURN RECEIPT REQUESTED

Calvert County Emergency Management
175 Main Street
Prince Frederick, MD 20678

RE: Cove Point LNG Terminal; New Hazardous Chemical Product in Use

Dear Sir or Madam:

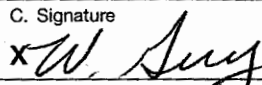
Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for any hazardous chemical product stored or used here at Cove Point above a certain threshold. Earlier this month, we received a shipment of ammonium hydroxide solution, also known as aqua ammonia. This is the first time we have received this chemical product. An MSDS sheet for ammonium hydroxide solution is enclosed.

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Sincerely,



James E. Levin
Environmental Engineer

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none">■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.		A. Received by (Please Print Clearly) B. Date of Delivery	
1. Article Addressed to:		C. Signature	
Calco Emrg. mgmt 175 main street Prince Frederick, MD 20678		 <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	

Article Number (Copy from service label)

ATTACHMENT 25

December 15, 2006 EPCRA Section 311 Submission

Dominion Cove Point LNG, LP
2100 Cove Point Road, Lusby, MD 20657



December 15, 2006

BY U.S. MAIL, RETURN RECEIPT REQUESTED

7005 1820 0001 1177 4750

MDE-TARSA
Community Right-to-Know Section
1800 Washington Boulevard, Suite 540
Baltimore, MD 21230-1718

RE: Cove Point LNG Terminal; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for designated hazardous chemical products stored or used here at Cove Point. Earlier this month, we received **isobutane** (CAS 75-28-5) for use in one of our LNG regasification processes.

This is the first time we have received this chemical product since facility reactivation. A 16-part MSDS sheet for isobutane is enclosed.

If you have any questions or need additional information, please call me at (410) 286-5136.

Yours truly,

A handwritten signature in black ink that reads "James E. Levin". The signature is fluid and cursive, with the first name "James" being more prominent.

James E. Levin
Environmental Engineer

Enclosure

7005 1820 0001 1177 4750

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Certified Fee	2.40	
Return Receipt Fee (Endorsement Required)	1.85	
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 10.55	
Sent To MDE-TARSA Street, Apt. No., or PO Box No. 1800 Washington Blvd. City, State, ZIP+4 Baltimore, MD 21230-1718		

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MDE-TARSA
Community Right-to-Know Section
1800 Washington Blvd, Suite 540
Baltimore, MD 21230-1718

2. Article Number

(Transfer from service label)

7005 1820 0001 1177 4750

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

Dominion Cove Point LNG, LP
2100 Cove Point Road, Lusby, MD 20657



December 15, 2006

BY U.S. MAIL, RETURN RECEIPT REQUESTED

7005 1820 0001 1177 4743

Calvert County Emergency Management
175 Main Street
Prince Frederick, MD 20678

RE: Cove Point LNG Terminal; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for designated chemical products stored or used here at Cove Point. Earlier this month, we received **isobutane** (CAS 75-28-5) for use in one of our LNG regasification processes.

This is the first time we have received this chemical product since facility reactivation. A 16-part MSDS sheet for isobutane is enclosed.

If you have any questions or need additional information, please call me at (410) 286-5136.

Yours truly,

A handwritten signature in cursive script that reads "James E. Levin".

James E. Levin
Environmental Engineer

Enclosure

7005 1820 0001 1177 4743

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Postage	\$ 63
Certified Fee	2.40
Return Receipt Fee (Endorsement Required)	1.85
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.88

Postmark
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Sent To
 Street, Apt. No.,
 or PO Box No. Calvert County Emergency Management
175 Main Street
 City, State, ZIP+4 Prince Frederick, MD 20678

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Calvert County Emergency
Management
175 Main Street
Prince Frederick, MD
20678

COMPLETE THIS SECTION ON DELIVERY

A. Signature

XW. Guy

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

12/18/06

- D. Is delivery address different from item 1? ☐ Yes
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3. Service Type

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☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

- ☐ Yes

2. Article Number
 (Transfer from service label)

7005 1820 0001 1177 4743

Dominion Cove Point LNG, LP
2100 Cove Point Road, Lusby, MD 20657



December 15, 2006

BY U.S. MAIL, RETURN RECEIPT REQUESTED

7005 1820 0001 1177 4736

Solomons VFD and Rescue
13150 HG Trueman
Solomons, Maryland 20688

RE: Cove Point LNG Terminal; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for designated chemical products stored or used here at Cove Point. Earlier this month, we received **isobutane** (CAS 75-28-5) for use in one of our LNG regasification processes.

This is the first time we have received this chemical product since facility reactivation. A 16-part MSDS sheet for isobutane is enclosed.

If you have any questions or need additional information, please call me at (410) 286-5136.

Yours truly,

A handwritten signature in cursive script that reads "James E. Levin".

James E. Levin
Environmental Engineer

Enclosure

7005 1820 0001 1177 4736

U.S. Postal Service™
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Return Receipt Fee (Endorsement Required)	1.85
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.88

Postmark
Here

Sent To	Solomons VFD and Rescue
Street, Apt. No., or PO Box No.	13150 HG Trueman
City, State, ZIP+4	Solomons, MD 20688

PS Form 3800, June 2002

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Solomons VFD and Rescue
 13150 HG Trueman
 Solomons, Maryland 20688

2. Article Number

(Transfer from service label)

7005 1820 0001 1177 4736

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *H. D. Sweeten*

☐ Agent

☐ Addressee

B. Received by (Printed Name)

H. D. Sweeten

C. Date of Delivery

12/19/06

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

3. Service Type

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☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

**MATERIAL SAFETY DATA SHEET****PRODUCT NAME: ISOBUTANE****1. Chemical Product and Company Identification**

BOC Gases,
Division of
The BOC Group, Inc.
575 Mountain Avenue
Murray Hill, NJ 07974

BOC Gases
Division of
BOC Canada Limited
5975 Falbourn Street, Unit 2
Mississauga, Ontario L5R 3W6

TELEPHONE NUMBER: (908) 464-8100**TELEPHONE NUMBER:** (905) 501-1700**24-HOUR EMERGENCY TELEPHONE NUMBER:**
CHEMTREC (800) 424-9300**24-HOUR EMERGENCY TELEPHONE NUMBER:**
(905) 501-0802**EMERGENCY RESPONSE PLAN NO:** 20101**PRODUCT NAME:** ISOBUTANE**CHEMICAL NAME:** Isobutane**COMMON NAMES/SYNONYMS:** 2-Methylpropane, Trimethylmethane**TDG (Canada) CLASSIFICATION:** 2.1**WHMIS CLASSIFICATION:** A, B1, D2B**PREPARED BY:** Loss Control (908)464-8100/(905)501-1700**PREPARATION DATE:** 6/1/95**REVIEW DATES:** 6/7/96**2. Composition, Information on Ingredients**

INGREDIENT	% VOLUME	PEL-OSHA ¹	TLV-ACGIH ²	LD ₅₀ or LC ₅₀ Route/Species
Isobutane FORMULA: C ₄ H ₁₀ CAS: 75-28-5 RTECS #: Not in RTECS	99.0 to 99.9	Simple Asphyxiant	Simple Asphyxiant	Not Available

¹ As stated in 29 CFR 1910, Subpart Z (revised July 1, 1993)² As stated in the ACGIH 1994-95 Threshold Limit Values for Chemical Substances and Physical Agents**3. Hazards Identification****EMERGENCY OVERVIEW**

This product does not contain oxygen and may cause asphyxia if released in a confined area. Simple hydrocarbons can cause irritation and central nervous system depression at high concentrations. Extremely flammable.

ROUTE OF ENTRY:

Skin Contact Yes	Skin Absorption No	Eye Contact Yes	Inhalation Yes	Ingestion No
---------------------	-----------------------	--------------------	-------------------	-----------------

PRODUCT NAME: ISOBUTANE

HEALTH EFFECTS:

Exposure Limits No	Irritant Yes	Sensitization No
Teratogen No	Reproductive Hazard No	Mutagen No
Synergistic Effects None Reported		

Carcinogenicity: -- NTP: No IARC: No OSHA: No

EYE EFFECTS:

None anticipated as product is a gas at room temperature.

SKIN EFFECTS:

None anticipated as product is a gas at room temperature.

INGESTION EFFECTS:

Ingestion is unlikely.

INHALATION EFFECTS:

Product is relatively nontoxic. Simple hydrocarbons can irritate the eyes, mucous membranes and respiratory system at high concentrations.

Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects.

This product may displace oxygen if released in a confined space. Maintain oxygen levels above 19.5% at sea level to prevent asphyxiation.

Effects of oxygen deficiency resulting from simple asphyxiants may include: rapid breathing, diminished mental alertness, impaired muscular coordination, faulty judgement, depression of all sensations, emotional instability, and fatigue. As asphyxiation progresses, nausea, vomiting, prostration, and loss of consciousness may result, eventually leading to convulsions, coma, and death.

Oxygen deficiency during pregnancy has produced developmental abnormalities in humans and experimental animals.

NFPA HAZARD CODES

Health: 1
Flammability: 4
Reactivity: 0

HMIS HAZARD CODES

Health: 1
Flammability: 4
Reactivity: 0

RATINGS SYSTEM

0 = No Hazard
1 = Slight Hazard
2 = Moderate Hazard
3 = Serious Hazard
4 = Severe Hazard

4. First Aid Measures

EYES:

Never introduce oil or ointment into the eyes without medical advice! If pain is present, refer the victim to an ophthalmologist for further treatment and follow up.

SKIN:

MSDS: G-95

Revised: 6/7/96

PRODUCT NAME: ISOBUTANE

Remove contaminated clothing and flush affected area with cold water and soap. If irritation persists, seek medical attention.

INGESTION:

Not normally required. Seek immediate medical attention.

INHALATION:

PROMPT MEDICAL ATTENTION IS MANDATORY IN ALL CASES OF OVEREXPOSURE TO PRODUCT. RESCUE PERSONNEL SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS. Conscious persons should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. Unconscious persons should be moved to an uncontaminated area, given assisted (artificial) respiration and supplemental oxygen. Further treatment should be symptomatic and supportive.

5. Fire Fighting Measures

Conditions of Flammability: Flammable liquid and vapor		
Flash point: -117°F (-83°C)	Method: Closed Cup	Autoignition Temperature: 778°F (420°C)
LEL(%): 1.8	UEL(%): 8.4	
Hazardous combustion products: Carbon monoxide, Carbon dioxide		
Sensitivity to mechanical shock: None		
Sensitivity to static discharge: Not Available		

FIRE AND EXPLOSION HAZARDS:

Isobutane is heavier than air and may travel a considerable distance to an ignition source. Isobutane is a flammable gas! Keep away from open flame and other sources of ignition. Do not allow smoking in storage areas or when handling.

EXTINGUISHING MEDIA:

Water, carbon dioxide, dry chemical.

FIRE FIGHTING INSTRUCTIONS:

If possible, stop the flow of gas with a remote valve. Use water spray to cool fire exposed containers. If fire is extinguished and flow of gas is continued, increase ventilation to prevent a build up of a flammable/explosive atmosphere. Extinguish sources of ignition.

Be cautious of a Boiling Liquid Evaporating Vapor Explosion, BLEVE, if flame is impinging on surrounding containers. Direct 500 GPM water stream onto containers above the liquid level with remote monitors. Limit the number of personnel in proximity to the fire. Evacuate surrounding areas to at least 3000 feet in all directions.

6. Accidental Release Measures

Evacuate all personnel from affected area. Use appropriate protective equipment. Increase ventilation to prevent build up of a flammable/explosive atmosphere. Extinguish all sources of ignition! If leak is in user's equipment, be certain to purge piping with inert gas prior to attempting repairs. If leak is in container or container valve, contact the appropriate emergency telephone number listed in Section 1 or call your closest BOC location

7. Handling and Storage

PRODUCT NAME: ISOBUTANE

Earth bond and ground all lines and equipment associated with the product system. Electrical equipment should be non-sparking and explosion proof.

Use only in well-ventilated areas. Valve protection caps must remain in place unless container is secured with valve outlet piped to use point. Do not drag, slide or roll cylinders. Use a suitable hand truck for cylinder movement. Use a pressure regulator when connecting cylinder to lower pressure (<250 psig) piping or systems. Do not heat cylinder by any means to increase the discharge rate of product from the cylinder. Use a check valve or trap in the discharge line to prevent hazardous back flow into the cylinder.

Protect cylinders from physical damage. Store in cool, dry, well-ventilated area away from heavily trafficked areas and emergency exits. Do not allow the temperature where cylinders are stored to exceed 130°F (54°C). Cylinders should be stored upright and firmly secured to prevent falling or being knocked over. Full and empty cylinders should be segregated. Use a "first in-first out" inventory system to prevent full cylinders from being stored for excessive periods of time.

Post "No Smoking" signs in storage or use areas. For additional recommendations, consult Compressed Gas Association Pamphlet P-1.

Never carry a compressed gas cylinder or a container of a gas in cryogenic liquid form in an enclosed space such as a car trunk, van or station wagon. A leak can result in a fire, explosion, asphyxiation or a toxic exposure.

8. Exposure Controls, Personal Protection

EXPOSURE LIMITS¹:

INGREDIENT	% VOLUME	PEL-OSHA ²	TLV-ACGIH ³	LD ₅₀ or IC ₅₀ Route/Species
Isobutane FORMULA: C ₄ H ₁₀ CAS: 75-28-5 RTECS #: Not in RTECS	99.0 to 99.9	Simple Asphyxiant	Simple Asphyxiant	Not Available

¹ Refer to individual state or provincial regulations, as applicable, for limits which may be more stringent than those listed here.

² As stated in 29 CFR 1910, Subpart Z (revised July 1, 1993)

³ As stated in the ACGIH 1994-1995 Threshold Limit Values for Chemical Substances and Physical Agents.

ENGINEERING CONTROLS:

Use local exhaust to prevent accumulation. Use general ventilation to prevent build up of flammable concentrations. May use hood with forced ventilation when handling small quantities. If product is handled routinely where the potential for leaks exists, all electrical equipment must be rated for use in potentially flammable atmospheres. Consult the National Electrical Code for details.

EYE/FACE PROTECTION:

Safety goggles or glasses.

SKIN PROTECTION:

Protective gloves made of plastic or rubber.

PRODUCT NAME: ISOBUTANE

RESPIRATORY PROTECTION:

Positive pressure air line with full-face mask and escape bottle or self-contained breathing apparatus should be available for emergency use.

OTHER/GENERAL PROTECTION:

Safety shoes, safety shower, eyewash.

9. Physical and Chemical Properties

PARAMETER	VALUE	UNITS
Physical state (gas, liquid, solid)	: Gas	
Vapor pressure at 70°F	: 45	psia
Vapor density at STP (Air = 1)	: 2.06	
Evaporation point	: Not Available	
Boiling point	: 10.9	°F
	: -11.7	°C
Freezing point	: Not Available	
	: Not Available	
pH	: Not Available	
Specific gravity	: Not Available	
Oil/water partition coefficient	: Not Available	
Solubility (H2O)	: Very Slight	
Odor threshold	: Not Applicable	
Odor and appearance	: A colorless, odorless gas..	

10. Stability and Reactivity

STABILITY:

Stable

CONDITIONS TO AVOID (STABILITY):

High temperatures. Product will start to decompose at 815°F (435°C).

INCOMPATIBLE MATERIALS:

Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide

11. Toxicological Information

Oxygen deficiency during pregnancy has produced developmental abnormalities in humans and experimental animals.

No chronic effects data given in the Registry of Toxic Effects of Chemical Substances (RTECS) or Sax, Dangerous Properties of Industrial Materials, 7th ed.

PRODUCT NAME: ISOBUTANE

12. Ecological Information

No data given.

13. Disposal Considerations

Do not attempt to dispose of residual waste or unused quantities. Return in the shipping container PROPERLY LABELED, WITH ANY VALVE OUTLET PLUGS OR CAPS SECURED AND VALVE PROTECTION CAP IN PLACE to BOC Gases or authorized distributor for proper disposal.

14. Transport Information

PARAMETER	United States DOT	Canada TDG
PROPER SHIPPING NAME:	Isobutane	Isobutane
HAZARD CLASS:	2.1	2.1
IDENTIFICATION NUMBER:	UN 1969	UN 1969
SHIPPING LABEL:	FLAMMABLE GAS	FLAMMABLE GAS

15. Regulatory Information

Isobutane is listed under the accident prevention provisions of section 112(r) of the Clean Air Act (CAA) with a threshold quantity (TQ) of 10,000 pounds.

SARA TITLE III NOTIFICATIONS AND INFORMATION

SARA TITLE III - HAZARD CLASSES:

Acute Health Hazard

Fire Hazard

Sudden Release of Pressure Hazard

16. Other Information

Compressed gas cylinders shall not be refilled without the express written permission of the owner. Shipment of a compressed gas cylinder which has not been filled by the owner or with his/her (written) consent is a violation of transportation regulations.

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

ATTACHMENT 26

January 30, 2009 EPCRA Section 311 Submission

Dominion Cove Point LNG, LP
2100 Cove Point Road, Lusby, MD 20657



January 30, 2009

BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED

7007 0710 0000 4544 4540

Calvert County Emergency Management
175 Main Street
Prince Frederick, MD 20678

RE: Dominion Cove Point LNG, LP; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for designated hazardous chemical products stored or used at the Cove Point LNG facility. Last year, we replaced the natural gas odorant system. We are now using a new chemical odorant called SPOTLEAK 1039, consisting of tert-Butylmercaptan (CAS #75-66-1) and Tetrahydrothiophene (CAS #110-01-0). A 16-part MSDS sheet for this product is enclosed.

If you have any questions or need additional information, please call contact Jim Levin, the environmental engineer at Cove Point, at (410) 286-5136.

Sincerely,

A handwritten signature in dark ink, appearing to read "M D Reaser".

Mark D. Reaser
Director, Gas Environmental Services

Enclosure

cc: Jim Levin

Dominion Cove Point LNG, LP
2100 Cove Point Road, Lusby, MD 20657



January 30, 2009

BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED

7007 0710 0000 4544 4557

Solomons VFD and Rescue
13150 HG Trueman
Solomons, Maryland 20688

RE: Dominion Cove Point LNG, LP; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for designated hazardous chemical products stored or used at the Cove Point LNG facility. Last year, we replaced the natural gas odorant system. We are now using a new chemical odorant called SPOTLEAK 1039, consisting of tert-Butylmercaptan (CAS #75-66-1) and Tetrahydrothiophene (CAS #110-01-0). A 16-part MSDS sheet for this product is enclosed.

If you have any questions or need additional information, please call contact Jim Levin, the environmental engineer at Cove Point, at (410) 286-5136.

Sincerely,

A handwritten signature in black ink, appearing to read "M. D. Reaser".

Mark D. Reaser
Director, Gas Environmental Services

Enclosure

cc: Jim Levin

Dominion Cove Point LNG, LP
2100 Cove Point Road, Lusby, MD 20657



January 30, 2009

BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED

7007 0710 0000 4544 4533

MDE-TARSA
Community Right-to-Know Section
1800 Washington Boulevard, Suite 540
Baltimore, MD 21230-1718

RE: Dominion Cove Point LNG, LP; New Hazardous Chemical Product in Use

Dear Sir or Madam:

Federal regulations (40 CFR Part 370, Section 21) require that we provide you with a material safety data sheet (MSDS) for designated hazardous chemical products stored or used at the Cove Point LNG facility. Last year, we replaced the natural gas odorant system. We are now using a new chemical odorant called SPOTLEAK 1039, consisting of tert-Butylmercaptan (CAS #75-66-1) and Tetrahydrothiophene (CAS #110-01-0). A 16-part MSDS sheet for this product is enclosed.

If you have any questions or need additional information, please call contact Jim Levin, the environmental engineer at Cove Point, at (410) 286-5136.

Sincerely,

A handwritten signature in cursive script that reads "M D Reaser".

Mark D. Reaser
Director, Gas Environmental Services

Enclosure

cc: Jim Levin

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Calvert County Emergency Man
175 Main Street
Prince Frederick, MD 20678

2. Article Number
(Transfer from service label)

(Code sent) 7007 0710 0000 4544 4540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

*Rem Stamp 60 ☐ Agent
☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

PS Stamp 2-2

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

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Track & Confirm

Search Results

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Status: **Delivered**

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Solomons VFD and Rescue
13150 H G Trueman Rd.
Solomons, MD 20688

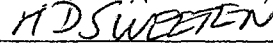
COMPLETE THIS SECTION ON DELIVERY

A. Signature


☒ Agent

☐ Addressee

B. Received by (Printed Name)



C. Date of Delivery



 D. Is delivery address different from item 1? ☒ Yes

 If YES, enter delivery address below: ☐ No

PO Box 189
Solomons MD 20688

3. Service Type

☒ Certified Mail ☐ Express Mail

☐ Registered ☐ Return Receipt for Merchandise

☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7007 0710 0000 4544 4557

Track & Confirm

Track & Confirm

Search Results

Label/Receipt Number: 7007 0710 0000 4544 4533

 Status: **Delivered**

 Your item was delivered at 11:12 AM on January 31, 2009 in
BALTIMORE, MD 21230.

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No FEAR Act EEO Data

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1. Article Addressed to:

MDE-TARSA
Community RTK Section
1600 Washington Blvd.
Baltimore, MD 21230-1718

2. Article Number

(Transfer from service label)

7007 0710 0000 4544 4533

COMPLETE THIS SECTION ON DELIVERY

A. Signature

 X *[Signature]*
☐ Agent

☐ Addressee

B. Received by (Printed Name)

O-SABASH

C. Date of Delivery

2/2/09

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

ATTACHMENT 27

September 22, 2011 EPCRA Section 311 Submission

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com



September 22, 2011

BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED

7011 1570 0001 3077 0190

Maryland Department of the Environment
Community Right-To-Know Section
1800 Washington Blvd.
Baltimore, MD 21230

RE: Dominion Cove Point LNG, LP; EPCRA Sec. 311 New Chemical Notification

Dear Sir or Madam:

Enclosed are Material Safety Data Sheets for the following new chemicals/substances stored onsite at Cove Point in quantities greater than the Threshold Planning Quantity:

1. *Safer than Salt* ice melt - TPQ 10,000 pounds
2. Sand, gravel or sand & gravel - TPQ 10,000 pounds
3. Isopentane - TPQ 10,000 pounds
4. Ethane - TPQ 10,000 pounds
5. Crushed limestone - TPQ 10,000 pounds

Also enclosed are the EPCRA Section 311 Report Summary, a site diagram identifying the current locations of these new materials and a Document Certification Form.

If you have any questions or need additional information, please call Jim Levin, the environmental engineer assigned to this facility, at (410) 286-5136.

Sincerely,

William H. Wilkinson, Jr.
Manager - Environmental

Enclosures (8)

cc: Jim Levin

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DATE & TIME

LOCATION

FEATURES

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BALTIMORE, MD 21230

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Return Receipt

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70111570000130770213

First-Class Mail®

Notice Left

September 26, 2011, 11:58 am

SOLOMONS, MD 20688

Expected Delivery By:
September 27, 2011
Certified Mail™
Return Receipt

Show Details

70111570000130770206

First-Class Mail®

Delivered

September 28, 2011, 9:09 am

PRINCE
FREDERICK, MD 20678

Expected Delivery By:
September 27, 2011
Certified Mail™
Return Receipt

Show Details

GET EMAIL UPDATES

PRINT DETAILS

Check on Another Item

What's your label (or receipt) number?

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MD Dept. of the Environment
Community RTK Section
1800 Washington Blvd.
Baltimore, MD 21230

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

U.S. Postal Service™

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BALTIMORE MD 21230

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Certified Fee

Return Receipt Fee
(Endorsement Required)Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Sent To

Street, Ap
or PO Box
City, State

MD Dept. of the Environment
Community RTK Section
1800 Washington Blvd.
Baltimore, MD 21230

MDE RTK New Chem.

7011 1570 0001 3077 0190

2004

Domestic Return Receipt

102595-02-M-1540

els=70111570000130770190%2C701... 9/29/2011

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com



September 22, 2011

BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED

7011 1570 0001 3077 0206

Mr. J. Robert Fenwick, Director
Calvert County LEPC
c/o Calvert County Emergency Management Division
175 Main Street, Courthouse
Prince Frederick, Maryland 20678

RE: Dominion Cove Point LNG, LP; EPCRA Sec. 311 New Chemical Notification

Dear Mr. Fenwick:

Enclosed are Material Safety Data Sheets for the following new chemicals/substances stored onsite at Cove Point in quantities greater than the Threshold Planning Quantity:

- Maintained in the electronic version of the file.*
1. Safer than Salt ice melt - TPQ 10,000 pounds
 2. Sand, gravel or sand & gravel - TPQ 10,000 pounds
 3. Isopentane - TPQ 10,000 pounds
 4. Ethane - TPQ 10,000 pounds
 5. Crushed limestone - TPQ 10,000 pounds

Also enclosed are the EPCRA Section 311 Report Summary, a site diagram identifying the current locations of these new materials and a Document Certification Form.

If you have any questions or need additional information, please call Jim Levin, the environmental engineer assigned to this facility, at (410) 286-5136.

Sincerely,

William H. Wilkinson, Jr.
Manager - Environmental

Enclosures (8)

cc: Jim Levin

Customer Service

USPS Mobile



Quick Tools

Ship a Package

Track & Confirm

GET EMAIL UPDATES

PRINT DETAILS

YOUR LABEL NUMBER

70111570000130770190

Show Details

SERVICE

First-Class Mail®

70111570000130770213

First-Class Mail®

Notice Left

September 26, 2011, 11:58 am

Show Details

70111570000130770206

First-Class Mail®

Delivered

September 28, 2011, 9:09 am

Show Details

GET EMAIL UPDATES

PRINT DETAILS

Check on Another Item

What's your label (or receipt) number?

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. J. Robert Fenwick, Director
Calvert County LEPC
175 Main Street, Courthouse
Prince Frederick, Maryland 20678

2. Article Number

(Transfer from service label)

PS Form 3811, February 2004

Site Index

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Signature] ☒ Agent ☐ Addressee

B. Received by: Printed Name

[Signature] ☐ Yes ☐ No

D. Is delivery address different from item 1? If YES, enter delivery address below:

☐ Yes ☐ No

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

New Check Restricted Delivery? (Extra Fee) ☐ Yes

7011 1570 0001 3077 0206

Domestic Return Receipt

102595-02-M-154

LEGAL

Privacy Policy ›

Terms of Use ›

FOIA ›

No FEAR Act EEO Data ›

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com



September 22, 2011

BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED

7011 1570 0001 3077 0213

Solomons Volunteer Rescue Squad and Fire Department
P.O. Box 189
Solomons, Maryland 20688

RE: Dominion Cove Point LNG, LP; EPCRA Sec. 311 New Chemical Notification

Dear Sir or Madam:

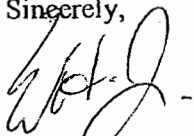
Enclosed are Material Safety Data Sheets for the following new chemicals/substances stored onsite at Cove Point in quantities greater than the Threshold Planning Quantity:

- Maintained in the electronic version of the file.*
1. Safer than Salt ice melt - TPQ 10,000 pounds
 2. Sand, gravel or sand & gravel - TPQ 10,000 pounds
 3. Isopentane - TPQ 10,000 pounds
 4. Ethane - TPQ 10,000 pounds
 5. Crushed limestone - TPQ 10,000 pounds

JK Also enclosed are the EPCRA Section 311 Report Summary, a site diagram identifying the current locations of these new materials and a Document Certification Form.

If you have any questions or need additional information, please call Jim Levin, the environmental engineer assigned to this facility, at (410) 286-5136.

Sincerely,

A handwritten signature in black ink, appearing to read "W. H. Wilkinson, Jr.", written over a horizontal line.

William H. Wilkinson, Jr.
Manager - Environmental

Enclosures (8)

cc: Jim Levin

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Solomons Volunteer Rescue Squad
and Fire Department
P.O. Box 189
Solomons, Maryland 20688

2. Article Number

(Transfer from service label)

New Chemicals

7011 1570 0001 3077 0213

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x Sam Milette

☒ Agent
☐ Addressee

B. Received by (Printed Name)

Shirley Milette

C. Date of Delivery

10/19/11

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☒ No

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

U.S. Postal Service™

CERTIFIED MAIL™ RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

SOLOMONS MD 20688

OFFICIAL USE

Postage	\$	\$2.56
Certified Fee	\$	\$2.55
Return Receipt Fee (Endorsement Required)	\$	\$0.00
Restricted Delivery Fee (Endorsement Required)	\$	\$0.00
Total Postage & Fees	\$	\$5.11

Sent To

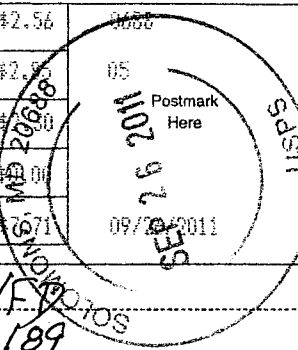
Street, Apt. No.,
or PO Box No.

City, State, Zip+4

PS Form 3800, August 2006

See Reverse for Instructions

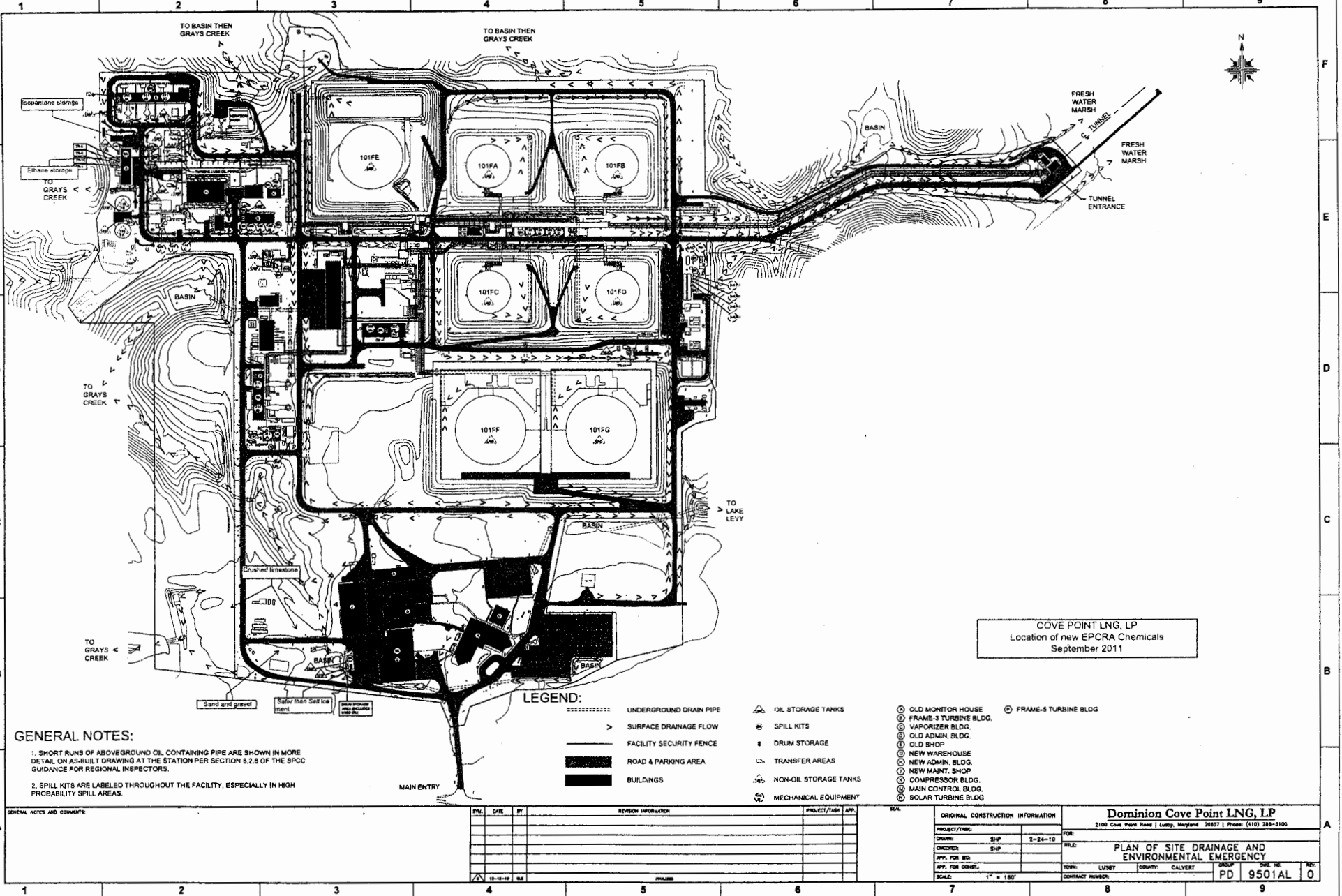
7011 1570 0001 3077 0213



11 REPORTING

Page 1 of 1

Name of facility: <u>Dominion Cove Point LNG, LLP</u>		Facility ID # <u>4304</u>	Date: (month, day, year) <u>September 20, 2011</u>
Street Address (no P.O. boxes, please): <u>2100 Cove Point Rd.</u>			
City: <u>Lusby</u>	County: <u>Calvert</u>	ZIP code: <u>20657-4614</u>	
Email: <u>James.e.levin@DOM.com</u>	Please list the components (that require reporting) of mixtures as separate chemicals. <i>Make additional copies of this form as needed in order to list all chemicals necessary.</i>		
Chemical Name	Type of chemical	Physical and Health Hazards	
<u>Sand, gravel and or sand& gravel</u> CAS # _____	<input type="checkbox"/> EHS <input type="checkbox"/> CERCLA <input checked="" type="checkbox"/> OTHER	<i>Check all that apply</i> <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	
<u>Safer than Salt - ice melt</u> CAS # _____	<input type="checkbox"/> EHS <input type="checkbox"/> CERCLA <input checked="" type="checkbox"/> OTHER	<i>Check all that apply</i> <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	
<u>Crushed limestone</u> CAS # _____	<input type="checkbox"/> EHS <input type="checkbox"/> CERCLA <input checked="" type="checkbox"/> OTHER	<i>Check all that apply</i> <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	
<u>Isopentane</u> CAS # _____	<input type="checkbox"/> EHS <input type="checkbox"/> CERCLA <input checked="" type="checkbox"/> OTHER	<i>Check all that apply</i> <input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	
<u>Ethane</u> CAS # _____	<input type="checkbox"/> EHS <input type="checkbox"/> CERCLA <input checked="" type="checkbox"/> OTHER	<i>Check all that apply</i> <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	
_____ CAS # _____	<input type="checkbox"/> EHS <input type="checkbox"/> CERCLA <input type="checkbox"/> OTHER	<i>Check all that apply</i> <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	



GENERAL NOTES:

- 1. SHORT RUNS OF ABOVEGROUND OIL CONTAINING PIPE ARE SHOWN IN MORE DETAIL ON AS-BUILT DRAWING AT THE STATION PER SECTION 8.2.8 OF THE SPPC GUIDANCE FOR REGIONAL INSPECTORS.
- 2. SPILL KITS ARE LABELED THROUGHOUT THE FACILITY, ESPECIALLY IN HIGH PROBABILITY SPILL AREAS.

LEGEND:

- UNDERGROUND DRAIN PIPE
- SURFACE DRAINAGE FLOW
- FACILITY SECURITY FENCE
- ROAD & PARKING AREA
- BUILDINGS
- OIL STORAGE TANKS
- SPILL KITS
- DRUM STORAGE
- TRANSFER AREAS
- NON-OIL STORAGE TANKS
- MECHANICAL EQUIPMENT

- OLD MONITOR HOUSE
- FRAME-3 TURBINE BLDG.
- VAPORIZER BLDG.
- OLD ADMIN. BLDG.
- OLD SHOP
- NEW WAREHOUSE
- NEW ADMIN. BLDG.
- NEW MAINT. SHOP
- COMPRESSOR BLDG.
- MAIN CONTROL BLDG.
- SOLAR TURBINE BLDG.
- FRAME-5 TURBINE BLDG.

COVE POINT LNG, LP
Location of new EPCRA Chemicals
September 2011

GENERAL NOTES AND COMMENTS:

REV.	DATE	BY	REVISION INFORMATION	PROJECT/TEAM	APP.

ORIGINAL CONSTRUCTION INFORMATION		
PROJECT/TEAM:		
DRAWN:		
CHECKED:		
APP. FOR REV.:		
APP. FOR CONCL.:		
SCALE:	1" = 150'	

Dominion Cove Point LNG, LP					
2100 Cove Point Road Lusby, Maryland 20657 Phone: (410) 284-8100					
FOR: PLAN OF SITE DRAINAGE AND ENVIRONMENTAL EMERGENCY					
TOWN:	LUSBY	COUNTY:	CALVERT	SHEET NO.:	9501AL
CONTRACT NUMBER:				REV.:	0